

12/12/92 KMN



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**REGION 10 LABORATORY**  
**7411 BEACH DR. EAST**  
**PORT ORCHARD, WASHINGTON 98366**

December 2, 1992

**MEMORANDUM**

**SUBJECT:** Report of Data Validation for the Avery Railroad Investigation, VOA analysis of samples 92352358, 92352359, 92352360, 92352361, 92352362, 92352363, 92352364, 92352365, 92352366, 92352367, 92352368, 92352369, 92352370, 92352371, 92352372, 92352373, 92352374, 92352375, 92352376 and 92352377.

**FROM:** Joe Blazevich, Program Manager  
 Environmental Chemistry Program *JNB*

**TO:** Monica Rolluda, Project Officer  
 Avery Railroad Investigation

**CC:** Bruce Woods  
 Kara Stevared

The following is a QA data review of the VOA analysis of samples collected for the Avery Railroad Investigation and analyzed at the Manchester Laboratory. This review covers samples.

92352358	92352359	92352360	92352361	92352362
92352363	92352364	92352365	92352366	92352367
92352368	92352369	92352370	92352371	92352372
92352373	92352374	92352375	92352376	92352377

The project code for these samples is TEC-575AB. The account number is TFA10PUZZ.

**Data Qualification**

The following comments refer to laboratory performance in meeting quality control specifications outlined in the CLP Statement of Work, Organic Analysis, revision 1/91.

**I. Holding Times:** Acceptable.

The samples were held seven days or less between collection and analysis. No data qualifiers were required on the basis of holding time data.

**II. GC/MS Tuning and Performance:** Acceptable

The tuning summary agreed with the raw data. All bromo-fluorobenzene ion abundance criteria were met. The analyses were preceded by a tune less than 12 hours prior to analysis. No data qualifiers were required on the basis of tuning data.

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### III. Initial Calibration: Acceptable

An extended seven point calibration curve was constructed on 5/14/92 for most analytes prior to analysis of the sample set. The calculation of the response factors was checked and the calculation method was correct. All response factors were over 0.05 and the %RSD for all analytes except dichlorodifluoromethane were 30% or less. The qualifier J or UJ was added to all results for this analyte. No additional data qualifiers were required based on the initial calibration curve.

### IV. Continuing Calibration: Acceptable

9/01/92 Samples 92352360, 92352361, 92352363, 92352364, 92352365, and Blank ABS2245.

The response factors for all target analytes were above 0.05. Eight analytes had a %diff. value greater than the 30% maximum. Results for these analytes, dichlorodifluoromethane, 1,2-dibromo-3-chlorobenzene, 1,2,4- and 1,3,5-trimethylbenzene, sec-butylbenzene, p-isopropyl benzene, butylbenzene and hexachlorobutadiene, were assigned the data qualifier J or UJ. No additional data qualifiers are required on the basis of the continuing standard.

9/02/92 Samples 92352358, 92352359, 92352366, 92352367, 92352369, 92352369A and Blank ABS2246.

The response factors for all target analytes were above 0.05. Fourteen analytes had a %diff. value greater than the 30% maximum. Results for these analytes, dichlorodifluoromethane, chloromethane, 1,1-dichloroethane, 2,2-dichloropropane, chloroethane, 1,2-dichloroethane, bromochloromethane, chloroform, 1,1,1-trichloroethane, 1,1-dichloropropene, carbon tetrachloride, 1,2,5-trimethylbenzene, trichlorofluoromethane and trans-1,3-dichloropropene, were assigned the data qualifier J or UJ. No additional data qualifiers are required on the basis of the continuing standard.

9/03/92 Samples 92352368, 92352371, 92352372, 92352373, 92352374, 92352375 and Blank ABS2247.

The response factors for all target analytes were above 0.05. Twelve analytes had a %diff. value greater than the 30% maximum. Results for these analytes, dichlorodifluoromethane, chloromethane, chloroethane, 2,2-dichloropropane, vinyl chloride, trichlorofluoromethane, 1,2-dichloroethane, bromodichloromethane, chloroform, 1,1,1-trichloroethane, 1,1-dichloropropene and carbon tetrachloride, were assigned the data qualifier J or UJ. No additional data qualifiers are required on the basis of the continuing standard.

9/04/92 Samples 92352362, 92352368A, 92352370, 92352376,  
92352377, Matrix Spikes 92352373Y, 92352373Z and Blank ABS2248.

The response factors for all target analytes were above 0.05. Twelve analytes had a %diff. value greater than the 30% maximum. Results for these analytes, dichlorodifluoromethane, chloromethane, chloroethane, vinyl chloride, acetone, trichlorofluoromethane, 1,2-dichloroethane, bromodichloromethane, 1,3,5-trimethylbenzene, 1,1,1-trichloroethane, carbon tetrachloride and 1,1-dichloropropene, were assigned the data qualifier J or UJ. No additional data qualifiers are required on the basis of the continuing standard.

V. Blanks: Acceptable

Blanks were analyzed prior to the analysis of samples and matrix spikes. Although some target analytes were detected in the blanks, most were far below the reporting limit. Analytes detected in the samples were reported without qualification if the sample result area integration exceeded ten times that of the blank for common VOA contaminants (e.g. acetone, 2-butanone and methylene chloride) or five times that of the blank for the other target analytes. If not detected in the blank, the analyte was reported without qualification if detected in the sample or with the appropriate quantitation limit and the qualifier U or UJ if not detected in the sample.

VI. Surrogates: Acceptable

All surrogate recoveries were within specification for all blanks, matrix spikes and samples except for the following samples. Samples and matrix spike samples 92352360, 92352361, 92352363, 92352364, 92352365, 92352368, 92352371, 92352373Y, 92352373Z, 92352375 and 92352377 gave high values for surrogate 1,2-dichloroethane d4. Samples 92353468 and 92352369 gave high recoveries for surrogate para-bromofluorobenzene. All positive values for these samples were assigned the qualifier J. No additional data qualifiers were assigned based on surrogate recovery data.

VII. Matrix Spike and Matrix Spike Duplicate (MS/MSD): Acceptable

All MS and MSD recoveries were within CLP and Region Ten acceptance and percent diff. ranges except the recovery of one or both spike samples and/or the percent diff. for vinyl chloride, carbon disulfide, chloroethane, bromoform, bromomethane, chloromethane, 2-butanone, bromochloromethane, 4-methyl-2-pentanone, 2-hexanone, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, trichlorofluoromethane and 1,2,3-trichlorobenzene fell outside the 50-150% and/or 50% Region Ten acceptance ranges. Similarly the percent diff for CLP analyte 1,1-dichloroethene

fell outside the required range. The qualifier J was assigned to these analytes for sample 92352373. All other recoveries or %diff. were acceptable. No additional data qualifiers were required based on matrix spike recoveries.

VIII. Internal Standards Performance: Acceptable

The retention time variations of all internal standards were within 30 seconds of the daily standard, which is acceptable. The %area of all internal standards fell within the specified 50% to 200% of the daily standard except for the following. Internal standard number 2 was low for samples 92352365, 92352368 and 92352377 and internal standard number 3 was low for samples 92352361, 92352363, 92352364, 92352365, 92352368, 92352373, 92352374, 92352375, 92352377 as well as matrix spikes 92352373Y and 92352373Z. All analytes associated with these internal standards were given the J or UJ qualifier. No additional data qualifiers were required on the basis of internal standards data.

IX. TCL Compound Identification: Acceptable

All TCL compounds' relative retention times were within 0.06 units of the related standards' in the continuing calibration standard or were judged acceptable. All criteria were met for mass spectral ion matching and abundance matching or were judged acceptable.

X. Compound Quantitation: Acceptable

Compound quantitation was evaluated correctly. The appropriate internal standards were used. The correct quantitation ions and relative response factors were used. Some analytes were detected in this sample set at levels below the lowest calibration concentration of the initial calibration curve. Since the Practical Quantitation Limit is based on this lowest initial calibration standard, these values were assigned the J qualifier. No additional qualifiers are required on the basis of compound quantitation.

XI. Tentatively Identified Compounds: Acceptable

The spectra for all tentatively identified compounds met criteria for ion matching and ion abundance matching or were judged acceptable.

Overall Assessment for the Case

The usefulness of the data is based on the criteria outlined in "Laboratory Data Validation Functional Guidelines for Evaluating Organic Analyses, (revision 6/91)."

All of the requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound were checked for positive or negative

results. From this the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

In general, all unqualified data can be used without restriction. The usefulness of qualified data should be treated according to the severity of the qualifier. Each qualifier has been defined below. Should questions arise regarding the qualification of data and its relation to the usefulness, the reader is encouraged to contact the Region Ten Laboratory.

#### DATA QUALIFIERS

- U - The analyte was not detected at or above the reported result.
- J - The analyte was positively identified. The associated numerical result is an estimate.
- EXP - The result is equal to the number before EXP times 10 to the power of the number after EXP. As an example 3EXP6 equals  $3 \times 10^6$ .
- REJ - The data are unusable for all purposes.
- N - There is evidence the analyte is present in this sample.
- NJ - There is evidence that the analyte is present. The associated numerical result is an estimate.
- UJ - The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
- NAF - Not analyzed for.
- \* - The analyte was present in the sample.  
(Visual aid to locate detected compounds on the report sheet.)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352358

Description: ORS01

Source: Sludge (Waste Pond)

Begin Date: 92/08/25 12:00

VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment
		Result	Units	*** Continued ***	
Carbon Tetrachloride	110UJ	ug/kg		Bromobenzene	110U ug/kg
Acetone	330U	ug/kg		Toluene	110U ug/kg
Chloroform	110UJ	ug/kg		Chlorobenzene	110U ug/kg
Benzene	110U	ug/kg		1,2,4-Trichlorobenzene	110U ug/kg
1,1,1-Trichloroethane	110UJ	ug/kg		Dibromochloromethane	110U ug/kg
Bromomethane	110U	ug/kg		Tetrachloroethene	110U ug/kg
Chloromethane	110UJ	ug/kg		Sec-Butylbenzene	110U ug/kg
Dibromomethane	110U	ug/kg		1,3-Dichloropropane	110U ug/kg
Bromochloromethane	110U	ug/kg		Cis-1,2-Dichloroethene	110U ug/kg
Chloroethane	110UJ	ug/kg		trans-1,2-Dichloroethene	110U ug/kg
Vinyl Chloride	110U	ug/kg		1,3-Dichlorobenzene	110U ug/kg
Methylene Chloride	110U	ug/kg		1,1-Dichloropropene	110UJ ug/kg
Carbon Disulfide	560U	ug/kg		2-Hexanone	110U ug/kg
Bromoform	110U	ug/kg		2,2-Dichloropropane	110UJ ug/kg
Bromodichloromethane	110UJ	ug/kg		Ethane, 1,1,1,2-Tetrac+	110U ug/kg
1,1-Dichloroethane	110UJ	ug/kg		Total Xylenes	7J* ug/kg
1,1-Dichloroethene	110U	ug/kg		cis-1,3-Dichloropropene	110U ug/kg
Trichlorofluoromethane	110UJ	ug/kg		trans-1,3-Dichloropropene	110UJ ug/kg
Methane, Dichlorodiflu+	560UJ	ug/kg		p-Bromofluorobenzene	104 % Recov
1,2-Dichloropropane	110U	ug/kg		FLUOROBENZENE	100 % Recov
2-Butanone	560U	ug/kg		d8-Toluene	96 % Recov
1,1,2-Trichloroethane	110U	ug/kg		d4-1,2-Dichlorobenzene+	111 % Recov
Ethene, trichloro-	110U	ug/kg		1,2-Dichloroethane-d4 +	97 % Recov
ETHANE, 1,1,2,2-TETRAC+	110U	ug/kg			
1,2,3-Trichlorobenzene	110U	ug/kg			
Hexachlorobutadiene	110U	ug/kg			
Naphthalene	110U	ug/kg			
2-Chlorotoluene	110U	ug/kg			
1,2-Dichlorobenzene	110U	ug/kg			
1,2,4-Trimethylbenzene	110U	ug/kg		UNKNOWNS (TOTAL)	2700NJ* ug/kg
1,2-Dibromo-3-chloropr+	560U	ug/kg		UNKNOWN HYDROCARBONS (+	2900NJ* ug/kg
1,2,3-Trichloropropane	110U	ug/kg		UNKNOWN BENZENES (TOTA+	11000NJ* ug/kg
Tert-Butylbenzene	110U	ug/kg		BENZENE, 1-ETHYL-4-(1-+	10000NJ* ug/kg
Isopropylbenzene (Cum+	110U	ug/kg		1H-INDENE, 2,3-DIHYDRO+	25000NJ* ug/kg
p-Isopropyltoluene	110U	ug/kg			
Ethylbenzene	110U	ug/kg			
BENZENE, ETHENYL-(STYR+	110U	ug/kg			
BENZENE, PROPYL-	110U	ug/kg			
Butylbenzene	110U	ug/kg			
4-Chlorotoluene	110U	ug/kg			
1,4-Dichlorobenzene	110U	ug/kg			
1,2-Dibromoethane (EDB)	110U	ug/kg			
1,2-Dichloroethane	110UJ	ug/kg			
4-Methyl-2-Pentanone(M+	110U	ug/kg			
1,3,5-Trimethylbenzene	110UJ	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352359

Description: ORS02

Source: Sludge (Waste Pond)

Begin Date: 92/08/25 12:00

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
				*** Continued ***			
Carbon Tetrachloride	120UJ	ug/kg		Bromobenzene	120U	ug/kg	
Acetone	600U	ug/kg		Toluene	120U	ug/kg	
Chloroform	120UJ	ug/kg		Chlorobenzene	120U	ug/kg	
Benzene	120U	ug/kg		1,2,4-Trichlorobenzene	120U	ug/kg	
1,1,1-Trichloroethane	120UJ	ug/kg		Dibromochloromethane	120U	ug/kg	
Bromomethane	120U	ug/kg		Tetrachloroethene	120U	ug/kg	
Chloromethane	120UJ	ug/kg		Sec-Butylbenzene	120U	ug/kg	
Dibromomethane	120U	ug/kg		1,3-Dichloropropane	120U	ug/kg	
Bromochloromethane	120U	ug/kg		Cis-1,2-Dichloroethene	120U	ug/kg	
Chloroethane	120UJ	ug/kg		trans-1,2-Dichloroethene	120U	ug/kg	
Vinyl Chloride	120U	ug/kg		1,3-Dichlorobenzene	120U	ug/kg	
Methylene Chloride	17J*	ug/kg		1,1-Dichloropropene	120UJ	ug/kg	
Carbon Disulfide	600U	ug/kg		2-Hexanone	120U	ug/kg	
Bromoform	120U	ug/kg		2,2-Dichloropropane	120UJ	ug/kg	
Bromodichloromethane	120UJ	ug/kg		Ethane, 1,1,1,2-Tetra+	120U	ug/kg	
1,1-Dichloroethane	120UJ	ug/kg		Total Xylenes	4J*	ug/kg	
1,1-Dichloroethene	120U	ug/kg		cis-1,3-Dichloropropene	120U	ug/kg	
Trichlorofluoromethane	120UJ	ug/kg		trans-1,3-Dichloropropene	120UJ	ug/kg	
Methane, Dichlorodiflu+	600UJ	ug/kg		p-Bromofluorobenzene	105	% Recov	
1,2-Dichloropropane	120U	ug/kg		FLUOROBENZENE	102	% Recov	
2-Butanone	600U	ug/kg		d8-Toluene	95	% Recov	
1,1,2-Trichloroethane	120U	ug/kg		d4-1,2-Dichlorobenzene+	106	% Recov	
Ethene, trichloro-	120U	ug/kg		1,2-Dichloroethane-d4 +	96	% Recov	
ETHANE, 1,1,2,2-TETRAC+	120U	ug/kg					
1,2,3-Trichlorobenzene	120U	ug/kg					
Hexachlorobutadiene	120U	ug/kg					
Naphthalene	120U	ug/kg					
2-Chlorotoluene	120U	ug/kg					
1,2-Dichlorobenzene	120U	ug/kg					
1,2,4-Trimethylbenzene	120U	ug/kg					
1,2-Dibromo-3-chloropr+	600U	ug/kg					
1,2,3-Trichloropropane	120U	ug/kg					
Tert-Butylbenzene	120U	ug/kg					
Isopropylbenzene (Cum+	120U	ug/kg					
p-Isopropyltoluene	120U	ug/kg					
Ethylbenzene	120U	ug/kg					
BENZENE, ETHENYL-(STYR+	120U	ug/kg					
BENZENE, PROPYL-	120U	ug/kg					
Butylbenzene	120U	ug/kg					
4-Chlorotoluene	120U	ug/kg					
1,4-Dichlorobenzene	120U	ug/kg					
1,2-Dibromoethane (EDB)	120U	ug/kg					
1,2-Dichloroethane	120UJ	ug/kg					
4-Methyl-2-Pentanone(M+	120U	ug/kg					
1,3,5-Trimethylbenzene	120UJ	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352360

Description: SS001

Source: Sediment (General)

Begin Date: 92/08/25 12:30

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)		Sediment	Result	Units
				*** Continued ***				
Carbon Tetrachloride		2U	ug/kg	Bromobenzene		2U	ug/kg	
Acetone		10UJ	ug/kg	Toluene		2U	ug/kg	
Chloroform		2U	ug/kg	Chlorobenzene		2U	ug/kg	
Benzene		2U	ug/kg	1,2,4-Trichlorobenzene		2U	ug/kg	
1,1,1-Trichloroethane		2U	ug/kg	Dibromochloromethane		2U	ug/kg	
Bromomethane		2U	ug/kg	Tetrachloroethene		2U	ug/kg	
Chloromethane		2U	ug/kg	Sec-Butylbenzene		2UJ	ug/kg	
Dibromomethane		2U	ug/kg	1,3-Dichloropropane		2U	ug/kg	
Bromochloromethane		2U	ug/kg	Cis-1,2-Dichloroethene		2U	ug/kg	
Chloroethane		2U	ug/kg	trans-1,2-Dichloroethene		2U	ug/kg	
Vinyl Chloride		2U	ug/kg	1,3-Dichlorobenzene		2U	ug/kg	
Methylene Chloride		12U	ug/kg	1,1-Dichloropropene		2U	ug/kg	
Carbon Disulfide		12U	ug/kg	2-Hexanone		2U	ug/kg	
Bromoform		2U	ug/kg	2,2-Dichloropropane		2U	ug/kg	
Bromodichloromethane		2U	ug/kg	Ethane, 1,1,1,2-Tetrac+		2U	ug/kg	
1,1-Dichloroethane		2U	ug/kg	Total Xylenes		2U	ug/kg	
1,1-Dichloroethene		2U	ug/kg	cis-1,3-Dichloropropene		2U	ug/kg	
Trichlorofluoromethane		2U	ug/kg	trans-1,3-Dichloropropene		2U	ug/kg	
Methane, Dichlorodiflu+		12UJ	ug/kg	p-Bromofluorobenzene	92	% Recov		
1,2-Dichloropropane		2U	ug/kg	FLUOROBENZENE	98	% Recov		
2-Butanone		3U	ug/kg	d8-Toluene	101	% Recov		
1,1,2-Trichloroethane		2U	ug/kg	d4-1,2-Dichlorobenzene+	102	% Recov		
Ethene, trichloro-		2U	ug/kg	1,2-Dichloroethane-d4 +	134	% Recov		
ETHANE, 1,1,2,2-TETRAC+		2U	ug/kg					
1,2,3-Trichlorobenzene		2U	ug/kg					
Hexachlorobutadiene		2UJ	ug/kg					
Naphthalene		2U	ug/kg					
2-Chlorotoluene		2U	ug/kg					
1,2-Dichlorobenzene		2U	ug/kg					
1,2,4-Trimethylbenzene		2UJ	ug/kg					
1,2-Dibromo-3-chloropr+		12UJ	ug/kg					
1,2,3-Trichloropropane		2U	ug/kg					
Tert-Butylbenzene		2U	ug/kg					
Isopropylbenzene (Cume+)		2U	ug/kg					
p-Isopropyltoluene		2UJ	ug/kg					
Ethylbenzene		2U	ug/kg					
BENZENE, ETHENYL-(STYR+		2U	ug/kg					
BENZENE, PROPYL-		2U	ug/kg					
Butylbenzene		2UJ	ug/kg					
4-Chlorotoluene		2U	ug/kg					
1,4-Dichlorobenzene		2U	ug/kg					
1,2-Dibromoethane (EDB)		2U	ug/kg					
1,2-Dichloroethane		2U	ug/kg					
4-Methyl-2-Pentanone (M+		2U	ug/kg					
1,3,5-Trimethylbenzene		2UJ	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352361

Description: SS002

Source: Sediment (General)

Begin Date: 92/08/25 11:00

VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment
Result	Units		*** Continued ***		
			Result	Units	
Carbon Tetrachloride	2U	ug/kg	Bromobenzene	2UJ	ug/kg
Acetone	38U	ug/kg	Toluene	0.2J*	ug/kg
Chloroform	2U	ug/kg	Chlorobenzene	2U	ug/kg
Benzene	2U	ug/kg	1,2,4-Trichlorobenzene	2UJ	ug/kg
1,1,1-Trichloroethane	2U	ug/kg	Dibromochloromethane	2U	ug/kg
Bromomethane	2U	ug/kg	Tetrachloroethene	2U	ug/kg
Chloromethane	2U	ug/kg	Sec-Butylbenzene	2UJ	ug/kg
Dibromomethane	2U	ug/kg	1,3-Dichloropropane	2U	ug/kg
Bromoform	2U	ug/kg	Cis-1,2-Dichloroethene	2U	ug/kg
Chloroethane	2U	ug/kg	trans-1,2-Dichloroethene	2U	ug/kg
Vinyl Chloride	2U	ug/kg	1,3-Dichlorobenzene	2UJ	ug/kg
Methylene Chloride	11U	ug/kg	1,1-Dichloropropene	2U	ug/kg
Carbon Disulfide	11U	ug/kg	2-Hexanone	2U	ug/kg
Bromoform	2UJ	ug/kg	2,2-Dichloropropane	2U	ug/kg
Bromodichloromethane	2U	ug/kg	Ethane, 1,1,1,2-Tetrac+	2U	ug/kg
1,1-Dichloroethane	2U	ug/kg	Total Xylenes	2UJ	ug/kg
1,1-Dichloroethene	2U	ug/kg	cis-1,3-Dichloropropene	2U	ug/kg
Trichlorofluoromethane	2U	ug/kg	trans-1,3-Dichloropropene	2U	ug/kg
Methane, Dichlorodiflu+	11UJ	ug/kg	p-Bromofluorobenzene	86	% Recov
1,2-Dichloropropane	2U	ug/kg	FLUOROBENZENE	98	% Recov
2-Butanone	7U	ug/kg	d8-Toluene	111	% Recov
1,1,2-Trichloroethane	2U	ug/kg	d4-1,2-Dichlorobenzene+	102	% Recov
Ethene, trichloro-	2U	ug/kg	1,2-Dichloroethane-d4 +	142	% Recov
ETHANE, 1,1,2,2-TETRAC+	2U	ug/kg			
1,2,3-Trichlorobenzene	2UJ	ug/kg			
Hexachlorobutadiene	2UJ	ug/kg			
Naphthalene	2UJ	ug/kg	Tent Ident - VOA Sca	Sediment	
2-Chlorotoluene	2UJ	ug/kg		Result	Units
1,2-Dichlorobenzene	2UJ	ug/kg			
1,2,4-Trimethylbenzene	2UJ	ug/kg	UNKNOWNS (TOTAL)	500J*	ug/kg
1,2-Dibromo-3-chloropr+	11UJ	ug/kg	UNKNOWN HYDROCARBONS (+)	1700J*	ug/kg
1,2,3-Trichloropropane	2UJ	ug/kg			
Tert-Butylbenzene	2UJ	ug/kg			
Isopropylbenzene (Cume+)	2UJ	ug/kg			
p-Isopropyltoluene	7J*	ug/kg			
Ethylbenzene	2U	ug/kg			
BENZENE, ETHENYL-(STYR+)	2U	ug/kg			
BENZENE, PROPYL-	2UJ	ug/kg			
Butylbenzene	2UJ	ug/kg			
4-Chlorotoluene	2UJ	ug/kg			
1,4-Dichlorobenzene	2UJ	ug/kg			
1,2-Dibromoethane (EDB)	2U	ug/kg			
1,2-Dichloroethane	2U	ug/kg			
4-Methyl-2-Pantanone(M+	2U	ug/kg			
1,3,5-Trimethylbenzene	2UJ	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352362

Description: SS003

Source: Sediment (General)

Begin Date: 92/08/25 10:25

VOA - PP Scan (GCMS)			VOA - PP Scan (GCMS)		
Sediment Result	Units		*** Continued ***	Sediment Result	Units
Carbon Tetrachloride	2UJ	ug/kg	Bromobenzene	2U	ug/kg
Acetone	11UJ	ug/kg	Toluene	2U	ug/kg
Chloroform	2U	ug/kg	Chlorobenzene	2U	ug/kg
Benzene	2U	ug/kg	1,2,4-Trichlorobenzene	2U	ug/kg
1,1,1-Trichloroethane	2UJ	ug/kg	Dibromochloromethane	2U	ug/kg
Bromomethane	2U	ug/kg	Tetrachloroethene	2U	ug/kg
Chloromethane	2UJ	ug/kg	Sec-Butylbenzene	2U	ug/kg
Dibromomethane	2U	ug/kg	1,3-Dichloropropane	2U	ug/kg
Bromochloromethane	2U	ug/kg	Cis-1,2-Dichloroethene	2U	ug/kg
Chloroethane	2UJ	ug/kg	trans-1,2-Dichloroethene	2U	ug/kg
Vinyl Chloride	2UJ	ug/kg	1,3-Dichlorobenzene	2U	ug/kg
Methylene Chloride	11U	ug/kg	1,1-Dichloropropene	2UJ	ug/kg
Carbon Disulfide	11U	ug/kg	2-Hexanone	2U	ug/kg
Bromoform	2U	ug/kg	2,2-Dichloropropane	2U	ug/kg
Bromodichloromethane	2UJ	ug/kg	Ethane, 1,1,1,2-Tetrac+	2U	ug/kg
1,1-Dichloroethane	2U	ug/kg	Total Xylenes	2U	ug/kg
1,1-Dichloroethene	2U	ug/kg	cis-1,3-Dichloropropene	2U	ug/kg
Trichlorofluoromethane	2UJ	ug/kg	trans-1,3-Dichloropropene	2U	ug/kg
Methane, Dichlorodiflu+	11UJ	ug/kg	p-Bromofluorobenzene	102	% Recov
1,2-Dichloropropene	2U	ug/kg	FLUOROBENZENE	100	% Recov
2-Butanone	11U	ug/kg	d8-Toluene	93	% Recov
1,1,2-Trichloroethane	2U	ug/kg	d4-1,2-Dichlorobenzene+	109	% Recov
Ethene, trichloro-	2U	ug/kg	1,2-Dichloroethane-d4 +	111	% Recov
ETHANE, 1,1,2,2-TETRAC+	2U	ug/kg			
1,2,3-Trichlorobenzene	2U	ug/kg			
Hexachlorobutadiene	2U	ug/kg			
Naphthalene	2U	ug/kg			
2-Chlorotoluene	2U	ug/kg			
1,2-Dichlorobenzene	2U	ug/kg			
1,2,4-Trimethylbenzene	2U	ug/kg			
1,2-Dibromo-3-chloropr+	11U	ug/kg			
1,2,3-Trichloropropene	2U	ug/kg			
Tert-Butylbenzene	2U	ug/kg			
Isopropylbenzene (Cum+	2U	ug/kg			
p-Isopropyltoluene	2U	ug/kg			
Ethylbenzene	2U	ug/kg			
BENZENE, ETHENYL-(STYR+	2U	ug/kg			
BENZENE, PROPYL-	2U	ug/kg			
Butylbenzene	2U	ug/kg			
4-Chlorotoluene	2U	ug/kg			
1,4-Dichlorobenzene	2U	ug/kg			
1,2-Dibromoethane (EDB)	2U	ug/kg			
1,2-Dichloroethane	2UJ	ug/kg			
4-Methyl-2-Pentanone(M+	2U	ug/kg			
1,3,5-Trimethylbenzene	2UJ	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352363

Description: SS004

Source: Sediment (General)

Begin Date: 92/08/25 11:30

VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment
Result	Units		*** Continued ***		
Carbon Tetrachloride	2U ug/kg				
Acetone	110J* ug/kg	Bromobenzene		2UJ ug/kg	
Chloroform	2U ug/kg	Toluene		2U ug/kg	
Benzene	2U ug/kg	Chlorobenzene		0.6J* ug/kg	
1,1,1-Trichloroethane	2U ug/kg	1,2,4-Trichlorobenzene		2UJ ug/kg	
Bromomethane	2U ug/kg	Dibromochloromethane		2U ug/kg	
Chloromethane	2U ug/kg	Tetrachloroethene		2U ug/kg	
Dibromomethane	2U ug/kg	Sec-Butylbenzene		2UJ ug/kg	
Bromochloromethane	2U ug/kg	1,3-Dichloropropane		2U ug/kg	
Chloroethane	2U ug/kg	Cis-1,2-Dichloroethene		2U ug/kg	
Vinyl Chloride	2U ug/kg	trans-1,2-Dichloroethene		2U ug/kg	
Methylene Chloride	12U ug/kg	1,3-Dichlorobenzene		2UJ ug/kg	
Carbon Disulfide	12U ug/kg	1,1-Dichloropropene		2U ug/kg	
Bromoform	2UJ ug/kg	2-Hexanone		2U ug/kg	
Bromodichloromethane	2U ug/kg	2,2-Dichloropropane		2U ug/kg	
1,1-Dichloroethane	2U ug/kg	Ethane, 1,1,1,2-Tetract+		2U ug/kg	
1,1-Dichloroethene	2U ug/kg	Total Xylenes		2UJ ug/kg	
Trichlorofluoromethane	2U ug/kg	cis-1,3-Dichloropropene		2U ug/kg	
Methane, Dichlorodiflu+	12UJ ug/kg	trans-1,3-Dichloroprop+		2U ug/kg	
1,2-Dichloropropane	2U ug/kg	p-Bromofluorobenzene	90	% Recov	
2-Butanone	8J* ug/kg	FLUOROBENZENE	95	% Recov	
1,1,2-Trichloroethane	2U ug/kg	d8-Toluene	109	% Recov	
Ethene, trichloro-	2U ug/kg	d4-1,2-Dichlorobenzen+	119	% Recov	
ETHANE, 1,1,2,2-TETRAC+	2U ug/kg	1,2-Dichloroethane-d4 +	147	% Recov	
1,2,3-Trichlorobenzene	2UJ ug/kg				
Hexachlorobutadiene	2UJ ug/kg				
Naphthalene	2UJ ug/kg				
2-Chlorotoluene	2UJ ug/kg				
1,2-Dichlorobenzene	2UJ ug/kg				
1,2,4-Trimethylbenzene	2UJ ug/kg	Tent Ident - VOA Sca	Sediment		
1,2-Dibromo-3-chloropr+	12UJ ug/kg		Result	Units	
1,2,3-Trichloropropene	2UJ ug/kg	UNKNOWN HYDROCARBONS (+	5500NJ*	ug/kg	
Tert-Butylbenzene	2UJ ug/kg	OCTANE, 2,3,7-TRIMETHY+	620NJ*	ug/kg	
Isopropylbenzene (Cume+)	2UJ ug/kg				
p-Isopropyltoluene	2UJ ug/kg				
Ethylbenzene	2U ug/kg				
BENZENE, ETHENYL-(STYR+	2U ug/kg				
BENZENE, PROPYL-	2UJ ug/kg				
Butylbenzene	2UJ ug/kg				
4-Chlorotoluene	2UJ ug/kg				
1,4-Dichlorobenzene	2UJ ug/kg				
1,2-Dibromoethane (EDB)	2U ug/kg				
1,2-Dichloroethane	2U ug/kg				
4-Methyl-2-Pentanone(M+	2U ug/kg				
1,3,5-Trimethylbenzene	2UJ ug/kg				

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352364

Description: SS01-1

Source: Sediment (General)

Begin Date: 92/08/26 11:10

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
	Result			*** Continued ***	Result		
Carbon Tetrachloride	4U	ug/kg		Bromobenzene	4UJ	ug/kg	
Acetone	10U	ug/kg		Toluene	4U	ug/kg	
Chloroform	4U	ug/kg		Chlorobenzene	4U	ug/kg	
Benzene	4U	ug/kg		1,2,4-Trichlorobenzene	4UJ	ug/kg	
1,1,1-Trichloroethane	4U	ug/kg		Dibromochloromethane	4U	ug/kg	
Bromomethane	4U	ug/kg		Tetrachloroethene	4U	ug/kg	
Chloromethane	4U	ug/kg		Sec-Butylbenzene	4UJ	ug/kg	
Dibromomethane	4U	ug/kg		1,3-Dichloropropane	4U	ug/kg	
Bromochloromethane	4U	ug/kg		Cis-1,2-Dichloroethene	4U	ug/kg	
Chloroethane	4U	ug/kg		trans-1,2-Dichloroethene	4U	ug/kg	
Vinyl Chloride	4U	ug/kg		1,3-Dichlorobenzene	4UJ	ug/kg	
Methylene Chloride	18U	ug/kg		1,1-Dichloropropene	4U	ug/kg	
Carbon Disulfide	18U	ug/kg		2-Hexanone	4U	ug/kg	
Bromoform	4UJ	ug/kg		2,2-Dichloropropane	4U	ug/kg	
Bromodichloromethane	4U	ug/kg		Ethane, 1,1,1,2-Tetrac+	4U	ug/kg	
1,1-Dichloroethane	4U	ug/kg		Total Xylenes	4UJ	ug/kg	
1,1-Dichloroethene	4U	ug/kg		cis-1,3-Dichloropropene	4U	ug/kg	
Trichlorofluoromethane	4U	ug/kg		trans-1,3-Dichloropropene	4U	ug/kg	
Methane, Dichlorodiflu+	8J*	ug/kg		p-Bromofluorobenzene	83	% Recov	
1,2-Dichloropropane	4U	ug/kg		FLUOROBENZENE	96	% Recov	
2-Butanone	18U	ug/kg		d8-Toluene	114	% Recov	
1,1,2-Trichloroethane	4U	ug/kg		d4-1,2-Dichlorobenzene+	92	% Recov	
Ethene, trichloro-	4U	ug/kg		1,2-Dichloroethane-d4 +	143	% Recov	
ETHANE, 1,1,2,2-TETRAC+	4U	ug/kg					
1,2,3-Trichlorobenzene	4UJ	ug/kg					
Hexachlorobutadiene	4UJ	ug/kg					
Naphthalene	4UJ	ug/kg					
2-Chlorotoluene	4UJ	ug/kg					
1,2-Dichlorobenzene	4UJ	ug/kg					
1,2,4-Trimethylbenzene	4UJ	ug/kg					
1,2-Dibromo-3-chloropr+	18UJ	ug/kg					
1,2,3-Trichloropropane	4UJ	ug/kg					
Tert-Butylbenzene	4UJ	ug/kg					
Isopropylbenzene (Cume+)	4UJ	ug/kg					
p-Isopropyltoluene	4UJ	ug/kg					
Ethylbenzene	4U	ug/kg					
BENZENE, ETHENYL-(STYR+)	4U	ug/kg					
BENZENE, PROPYL-	4UJ	ug/kg					
Butylbenzene	4UJ	ug/kg					
4-Chlorotoluene	4UJ	ug/kg					
1,4-Dichlorobenzene	4UJ	ug/kg					
1,2-Dibromoethane (EDB)	4U	ug/kg					
1,2-Dichloroethane	4U	ug/kg					
4-Methyl-2-Pantanone(M+	4U	ug/kg					
1,3,5-Trimethylbenzene	4UJ	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352365

Description: SS01-2

Source: Sediment (General)

Begin Date: 92/08/26 11:10

VOA - PP Scan (GCMS)	Sediment		VOA - PP Scan (GCMS) *** Continued ***	Sediment	
	Result	Units		Result	Units
Carbon Tetrachloride	3UJ	ug/kg	Bromobenzene	3UJ	ug/kg
Acetone	11U	ug/kg	Toluene	0.5J*	ug/kg
Chloroform	3U	ug/kg	Chlorobenzene	3UJ	ug/kg
Benzene	3UJ	ug/kg	1,2,4-Trichlorobenzene	3UJ	ug/kg
1,1,1-Trichloroethane	3UJ	ug/kg	Dibromochloromethane	3UJ	ug/kg
Bromomethane	3U	ug/kg	Tetrachloroethene	3UJ	ug/kg
Chloromethane	3U	ug/kg	Sec-Butylbenzene	3UJ	ug/kg
Dibromomethane	3UJ	ug/kg	1,3-Dichloropropane	3UJ	ug/kg
Bromochloromethane	3U	ug/kg	Cis-1,2-Dichloroethene	3U	ug/kg
Chloroethane	3U	ug/kg	trans-1,2-Dichloroethene	3U	ug/kg
Vinyl Chloride	3U	ug/kg	1,3-Dichlorobenzene	3UJ	ug/kg
Methylene Chloride	16U	ug/kg	1,1-Dichloropropene	3UJ	ug/kg
Carbon Disulfide	16U	ug/kg	2-Hexanone	3UJ	ug/kg
Bromoform	3UJ	ug/kg	2,2-Dichloropropane	3U	ug/kg
Bromodichloromethane	3UJ	ug/kg	Ethane, 1,1,1,2-Tetrac+	3UJ	ug/kg
1,1-Dichloroethane	3U	ug/kg	Total Xylenes	3UJ	ug/kg
1,1-Dichloroethene	3U	ug/kg	cis-1,3-Dichloropropene	3UJ	ug/kg
Trichlorofluoromethane	3U	ug/kg	trans-1,3-Dichloropropene	3UJ	ug/kg
Methane, Dichlorodiflu+	14J*	ug/kg	p-Bromofluorobenzene	77	% Recov
1,2-Dichloropropane	3UJ	ug/kg	FLUOROBENZENE	100	% Recov
2-Butanone	16U	ug/kg	d8-Toluene	117	% Recov
1,1,2-Trichloroethane	3UJ	ug/kg	d4-1,2-Dichlorobenzene+	95	% Recov
Ethane, trichloro-	3UJ	ug/kg	1,2-Dichloroethane-d4 +	147	% Recov
ETHANE, 1,1,2,2-TETRAC+	3UJ	ug/kg			
1,2,3-Trichlorobenzene	3UJ	ug/kg			
Hexachlorobutadiene	3UJ	ug/kg			
Naphthalene	3UJ	ug/kg			
2-Chlorotoluene	3UJ	ug/kg			
1,2-Dichlorobenzene	3UJ	ug/kg			
1,2,4-Trimethylbenzene	3UJ	ug/kg			
1,2-Dibromo-3-chloroprop+	16UJ	ug/kg			
1,2,3-Trichloropropane	3UJ	ug/kg			
Tert-Butylbenzene	3UJ	ug/kg			
Isopropylbenzene (Cume+)	3UJ	ug/kg			
p-Isopropyltoluene	3UJ	ug/kg			
Ethylbenzene	3UJ	ug/kg			
BENZENE, ETHENYL-(STYR+)	3UJ	ug/kg			
BENZENE, PROPYL-	3UJ	ug/kg			
Butylbenzene	3UJ	ug/kg			
4-Chlorotoluene	3UJ	ug/kg			
1,4-Dichlorobenzene	3UJ	ug/kg			
1,2-Dibromoethane (EDB)	3UJ	ug/kg			
1,2-Dichloroethane	3U	ug/kg			
4-Methyl-2-Pentanone(M+	3UJ	ug/kg			
1,3,5-Trimethylbenzene	3UJ	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352366

Description: SS02-1

Source: Sediment (General)

Begin Date: 92/08/26 11:35

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
	Result			*** Continued ***	Result		
Carbon Tetrachloride	3UJ	ug/kg		Bromobenzene	3U	ug/kg	
Acetone	8UJ	ug/kg		Toluene	3U	ug/kg	
Chloroform	3UJ	ug/kg		Chlorobenzene	3U	ug/kg	
Benzene	3U	ug/kg		1,2,4-Trichlorobenzene	3U	ug/kg	
1,1,1-Trichloroethane	3UJ	ug/kg		Dibromochloromethane	3U	ug/kg	
Bromomethane	3U	ug/kg		Tetrachloroethene	3U	ug/kg	
Chloromethane	3UJ	ug/kg		Sec-Butylbenzene	3U	ug/kg	
Dibromomethane	3U	ug/kg		1,3-Dichloropropane	3U	ug/kg	
Bromochloromethane	3U	ug/kg		Cis-1,2-Dichloroethene	3U	ug/kg	
Chloroethane	3UJ	ug/kg		trans-1,2-Dichloroethene	3U	ug/kg	
Vinyl Chloride	3U	ug/kg		1,3-Dichlorobenzene	3U	ug/kg	
Methylene Chloride	3U	ug/kg		1,1-Dichloropropene	3UJ	ug/kg	
Carbon Disulfide	17U	ug/kg		2-Hexanone	3U	ug/kg	
Bromoform	3U	ug/kg		2,2-Dichloropropane	3UJ	ug/kg	
Bromodichloromethane	3UJ	ug/kg		Ethane, 1,1,1,2-Tetrac+	3U	ug/kg	
1,1-Dichloroethane	3UJ	ug/kg		Total Xylenes	0.09J*	ug/kg	
1,1-Dichloroethene	3U	ug/kg		cis-1,3-Dichloropropene	3U	ug/kg	
Trichlorofluoromethane	0.5J*	ug/kg		trans-1,3-Dichloroprop+	3UJ	ug/kg	
Methane, Dichlorodiflu+	23J*	ug/kg		p-Bromofluorobenzene	85	% Recov	
1,2-Dichloropropane	3U	ug/kg		FLUOROBENZENE	101	% Recov	
2-Butanone	17U	ug/kg		d8-Toluene	100	% Recov	
1,1,2-Trichloroethane	3U	ug/kg		d4-1,2-Dichlorobenzene+	84	% Recov	
Ethene, trichloro-	3U	ug/kg		1,2-Dichloroethane-d4 +	97	% Recov	
ETHANE, 1,1,2,2-TETRAC+	3U	ug/kg					
1,2,3-Trichlorobenzene	3U	ug/kg					
Hexachlorobutadiene	3U	ug/kg					
Naphthalene	4 *	ug/kg					
2-Chlorotoluene	3U	ug/kg					
1,2-Dichlorobenzene	3U	ug/kg					
1,2,4-Trimethylbenzene	1J*	ug/kg					
1,2-Dibromo-3-chloropr+	17U	ug/kg					
1,2,3-Trichloropropane	3U	ug/kg					
Tert-Butylbenzene	3U	ug/kg					
Isopropylbenzene (Cum+	3U	ug/kg					
P-Isopropyltoluene	3U	ug/kg					
Ethylbenzene	3U	ug/kg					
BENZENE, ETHENYL-(STYR+	3U	ug/kg					
BENZENE, PROPYL-	3U	ug/kg					
Butylbenzene	3U	ug/kg					
4-Chlorotoluene	3U	ug/kg					
1,4-Dichlorobenzene	3U	ug/kg					
1,2-Dibromoethane (EDB)	3U	ug/kg					
1,2-Dichloroethane	3UJ	ug/kg					
4-Methyl-2-Pentanone(M+	3U	ug/kg					
1,3,5-Trimethylbenzene	0.7J*	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352367

Description: SS02-2

Source: Sediment (General)

Begin Date: 92/08/26 11:35

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
*** Continued ***							
Carbon Tetrachloride	3UJ	ug/kg		Bromobenzene	3U	ug/kg	
Acetone	16U	ug/kg		Toluene	3U	ug/kg	
Chloroform	3UJ	ug/kg		Chlorobenzene	3U	ug/kg	
Benzene	3U	ug/kg		1,2,4-Trichlorobenzene	3U	ug/kg	
1,1,1-Trichloroethane	3UJ	ug/kg		Dibromochloromethane	3U	ug/kg	
Bromomethane	3U	ug/kg		Tetrachloroethene	3U	ug/kg	
Chloromethane	3UJ	ug/kg		Sec-Butylbenzene	3U	ug/kg	
Dibromomethane	3U	ug/kg		1,3-Dichloropropane	3U	ug/kg	
Bromochloromethane	3U	ug/kg		Cis-1,2-Dichloroethene	3U	ug/kg	
Chloroethane	3UJ	ug/kg		trans-1,2-Dichloroethene	3U	ug/kg	
Vinyl Chloride	3U	ug/kg		1,3-Dichlorobenzene	3U	ug/kg	
Methylene Chloride	3J*	ug/kg		1,1-Dichloropropene	3UJ	ug/kg	
Carbon Disulfide	16U	ug/kg		2-Hexanone	3U	ug/kg	
Bromoform	3U	ug/kg		2,2-Dichloropropane	3UJ	ug/kg	
Bromodichloromethane	3UJ	ug/kg		Ethane, 1,1,1,2-Tetrac+	3U	ug/kg	
1,1-Dichloroethane	3UJ	ug/kg		Total Xylenes	3U	ug/kg	
1,1-Dichloroethene	0.1J*	ug/kg		cis-1,3-Dichloropropene	3U	ug/kg	
Trichlorofluoromethane	0.7J*	ug/kg		trans-1,3-Dichloropropene	3UJ	ug/kg	
Methane, Dichlorodiflu+	41UJ	ug/kg		p-Bromofluorobenzene	99	% Recov	
1,2-Dichloropropane	3U	ug/kg		FLUOROBENZENE	NAF	% Recov	
2-Butanone	16U	ug/kg		d8-Toluene	91	% Recov	
1,1,2-Trichloroethane	3U	ug/kg		d4-1,2-Dichlorobenzene+	114	% Recov	
Ethene, trichloro-	3U	ug/kg		1,2-Dichloroethane-d4 +	91	% Recov	
ETHANE, 1,1,2,2-TETRAC+	3U	ug/kg					
1,2,3-Trichlorobenzene	3U	ug/kg					
Hexachlorobutadiene	3U	ug/kg					
Naphthalene	1J*	ug/kg					
2-Chlorotoluene	3U	ug/kg					
1,2-Dichlorobenzene	3U	ug/kg					
1,2,4-Trimethylbenzene	3U	ug/kg					
1,2-Dibromo-3-chloropr+	16U	ug/kg					
1,2,3-Trichloropropene	3U	ug/kg					
Tert-Butylbenzene	3U	ug/kg					
Isopropylbenzene (Cume+)	3U	ug/kg					
p-Isopropyltoluene	3U	ug/kg					
Ethylbenzene	3U	ug/kg					
BENZENE, ETHENYL-(STYR+	3U	ug/kg					
BENZENE, PROPYL-	3U	ug/kg					
Butylbenzene	3U	ug/kg					
4-Chlorotoluene	3U	ug/kg					
1,4-Dichlorobenzene	3U	ug/kg					
1,2-Dibromoethane (EDB)	3U	ug/kg					
1,2-Dichloroethane	3UJ	ug/kg					
4-Methyl-2-Pentanone(M+	3U	ug/kg					
1,3,5-Trimethylbenzene	3UJ	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352368

Description: SS03-1

Source: Sediment (General)

Begin Date: 92/08/26 11:45

VOA - PP Scan (GCMS)			Sediment			VOA - PP Scan (GCMS)			Sediment			VOA - PP Scan (GCMS)			Sediment			
	Result	Units		*** Continued ***			Result	Units		Duplicate #1				Result	Units		Result	Units
Carbon Tetrachloride	200UJ	ug/kg	Bromobenzene	200U	ug/kg	1,1-Dichloroethene	6U	ug/kg										
Acetone	1000UJ	ug/kg	Toluene	15J*	ug/kg	Trichlorofluoromethane	6J*	ug/kg										
Chloroform	200U	ug/kg	Chlorobenzene	200U	ug/kg	Methane, Dichlorodiflu+	37J*	ug/kg										
Benzene	200U	ug/kg	1,2,4-Trichlorobenzene	200U	ug/kg	1,2-Dichloroproppane	6UJ	ug/kg										
1,1,1-Trichloroethane	200UJ	ug/kg	Dibromochloromethane	200U	ug/kg	2-Butanone	8U	ug/kg										
Bromomethane	200U	ug/kg	Tetrachloroethene	200U	ug/kg	1,1,2-Trichloroethane	6UJ	ug/kg										
Chloromethane	200UJ	ug/kg	Sec-Butylbenzene	200U	ug/kg	Ethene, trichloro-	6UJ	ug/kg										
Dibromomethane	200U	ug/kg	1,3-Dichloropropane	200U	ug/kg	ETHANE, 1,1,2,2-TETRAC+	6UJ	ug/kg										
Bromochloromethane	200U	ug/kg	Cis-1,2-Dichloroethene	200U	ug/kg	1,2,3-Trichlorobenzene	6UJ	ug/kg										
Chloroethane	200UJ	ug/kg	trans-1,2-Dichloroethene	200U	ug/kg	Hexachlorobutadiene	6UJ	ug/kg										
Vinyl Chloride	200UJ	ug/kg				Naphthalene	370J*	ug/kg										
Methylene Chloride	1000U	ug/kg				2-Chlorotoluene	6UJ	ug/kg										
Carbon Disulfide	1000U	ug/kg				1,2-Dichlorobenzene	6UJ	ug/kg										
Bromoform	200U	ug/kg				1,2,4-Trimethylbenzene	790J*	ug/kg										
Bromodichloromethane	200UJ	ug/kg				1,2-Dibromo-3-chloropr+	28UJ	ug/kg										
1,1-Dichloroethane	200U	ug/kg				1,2,3-Trichloropropane	6UJ	ug/kg										
1,1-Dichloroethene	200U	ug/kg				Tert-Butylbenzene	6UJ	ug/kg										
Trichlorofluoromethane	200UJ	ug/kg				Isopropylbenzene (Cume+)	6UJ	ug/kg										
Methane, Dichlorodiflu+	1000UJ	ug/kg				p-Isopropyltoluene	6UJ	ug/kg										
1,2-Dichloropropane	200U	ug/kg				Ethylbenzene	11J*	ug/kg										
2-Butanone	1000U	ug/kg				BENZENE, ETHENYL-(STYR+	6UJ	ug/kg										
1,1,2-Trichloroethane	200U	ug/kg				BENZENE, PROPYL-	6UJ	ug/kg										
Ethene, trichloro-	200U	ug/kg				Butylbenzene	6UJ	ug/kg										
ETHANE, 1,1,2,2-TETRAC+	200U	ug/kg				4-Chlorotoluene	6UJ	ug/kg										
1,2,3-Trichlorobenzene	200U	ug/kg				1,4-Dichlorobenzene	6UJ	ug/kg										
Hexachlorobutadiene	200U	ug/kg				1,2-Dibromoethane (EDB)	6UJ	ug/kg										
Naphthalene	1200 *	ug/kg				1,2-Dichloroethane	6UJ	ug/kg										
2-Chlorotoluene	200U	ug/kg				4-Methyl-2-Pentanone(M+	6UJ	ug/kg										
1,2-Dichlorobenzene	200U	ug/kg				1,3,5-Trimethylbenzene	1200J*	ug/kg										
1,2,4-Trimethylbenzene	1300 *	ug/kg																
1,2-Dibromo-3-chloropr+	1000U	ug/kg																
1,2,3-Trichloropropane	200U	ug/kg																
Tert-Butylbenzene	200U	ug/kg																
Isopropylbenzene (Cume+)	200U	ug/kg																
p-Isopropyltoluene	200U	ug/kg																
Ethylbenzene	13J*	ug/kg																
BENZENE, ETHENYL-(STYR+	200U	ug/kg																
BENZENE, PROPYL-	200U	ug/kg																
Butylbenzene	200U	ug/kg																
4-Chlorotoluene	200U	ug/kg																
1,4-Dichlorobenzene	200U	ug/kg																
1,2-Dibromoethane (EDB)	200U	ug/kg																
1,2-Dichloroethane	200U	ug/kg																
4-Methyl-2-Pentanone(M+	200U	ug/kg																
1,3,5-Trimethylbenzene	1800J*	ug/kg																

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14:28:37

EPA Region X Lab Management System  
Sample/Project Analysis Results

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Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352368

Description: SS03-1

Source: Sediment (General)

Begin Date: 92/08/26 11:45

VOA - PP Scan (GCMS)	Sediment
*** Continued ***	
Duplicate #1	Result Units
Total Xylenes	380J* ug/kg
cis-1,3-Dichloropropene	6UJ ug/kg
trans-1,3-Dichloroprop+	6UJ ug/kg
p-Bromofluorobenzene	294 % Recov
FLUOROBENZENE	106 % Recov
d8-Toluene	121 % Recov
d4-1,2-Dichlorobenzene+	295 % Recov
1,2-Dichloroethane-d4 +	143 % Recov

Tent Ident - VOA Sca	Sediment
Result Units	
p-Isopropyltoluene	18000NJ* ug/kg
NAPHTHALENE, 1, 2, 3, 4-T+	3600NJ* ug/kg
BENZENE, 1, 2, 3-TRIMETH+	3400NJ* ug/kg
UNKNOWN HYDROCARBONS (+	18000NJ* ug/kg
1H-INDENE, 2, 3-DIHYDRO+	25000NJ* ug/kg

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352369

Description: SS03-2

Source: Sediment (General)

Begin Date: 92/08/26 11:45

VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment
Result	Units		*** Continued ***			Duplicate #2		
Carbon Tetrachloride	350UJ	ug/kg	Bromobenzene	350U	ug/kg	1,1-Dichloroethene	86U	ug/kg
Acetone	1700U	ug/kg	Toluene	49J*	ug/kg	Trichlorofluoromethane	83UJ	ug/kg
Chloroform	350UJ	ug/kg	Chlorobenzene	350U	ug/kg	Methane, Dichlorodiflu+	430UJ	ug/kg
Benzene	350U	ug/kg	1,2,4-Trichlorobenzene	350U	ug/kg	1,2-Dichloropropane	86U	ug/kg
1,1,1-Trichloroethane	350UJ	ug/kg	Dibromochloromethane	350U	ug/kg	2-Butanone	430U	ug/kg
Bromomethane	350U	ug/kg	Tetrachloroethene	350U	ug/kg	1,1,2-Trichloroethane	86U	ug/kg
Chloromethane	350UJ	ug/kg	Sec-Butylbenzene	350U	ug/kg	Ethene, trichloro-	86U	ug/kg
Dibromomethane	350U	ug/kg	1,3-Dichloropropane	350U	ug/kg	ETHANE, 1,1,2,2-TETRAC+	86U	ug/kg
Bromoform	350U	ug/kg	Cis-1,2-Dichloroethene	350U	ug/kg	1,2,3-Trichlorobenzene	86U	ug/kg
Chloroethane	350UJ	ug/kg	trans-1,2-Dichloroethene	350U	ug/kg	Hexachlorobutadiene	86U	ug/kg
Vinyl Chloride	350U	ug/kg	1,3-Dichlorobenzene	350U	ug/kg	Naphthalene	4800 *	ug/kg
Methylene Chloride	1700U	ug/kg	1,1-Dichloropropene	350UJ	ug/kg	2-Chlorotoluene	86U	ug/kg
Carbon Disulfide	1700U	ug/kg	2-Hexanone	350U	ug/kg	1,2-Dichlorobenzene	86U	ug/kg
Bromoform	350U	ug/kg	2,2-Dichloropropane	350UJ	ug/kg	1,2,4-Trimethylbenzene	5700 *	ug/kg
Bromodichloromethane	350UJ	ug/kg	Ethane, 1,1,1,2-Tetrac+	350U	ug/kg	1,2-Dibromo-3-chloropr+	430U	ug/kg
1,1-Dichloroethane	350UJ	ug/kg	Total Xylenes	1620 *	ug/kg	1,2,3-Trichloropropane	86U	ug/kg
1,1-Dichloroethene	350U	ug/kg	cis-1,3-Dichloropropene	350U	ug/kg	Tert-Butylbenzene	86U	ug/kg
Trichlorofluoromethane	350UJ	ug/kg	trans-1,3-Dichloropropene	350UJ	ug/kg	Isopropylbenzene (Cume+)	48J*	ug/kg
Methane, Dichlorodiflu+	1700U	ug/kg	p-Bromofluorobenzene	106	% Recov	p-Isopropyltoluene	86U	ug/kg
1,2-Dichloropropane	350U	ug/kg	FLUOROBENZENE	100	% Recov	Ethylbenzene	71J*	ug/kg
2-Butanone	1700U	ug/kg	d8-Toluene	92	% Recov	BENZENE, ETHENYL-(STYR+	86U	ug/kg
1,1,2-Trichloroethane	350U	ug/kg	d4-1,2-Dichlorobenzene+	112	% Recov	BENZENE, PROPYL-	110 *	ug/kg
Ethene, trichloro-	350U	ug/kg	1,2-Dichloroethane-d4 +	80	% Recov	Butylbenzene	86U	ug/kg
ETHANE, 1,1,2,2-TETRAC+	350U	ug/kg	+-----	+-----	+-----	4-Chlorotoluene	86U	ug/kg
1,2,3-Trichlorobenzene	350U	ug/kg	VOA - PP Scan (GCMS)	Sediment		1,4-Dichlorobenzene	86U	ug/kg
Hexachlorobutadiene	350U	ug/kg	Duplicate #2	Result	Units	1,2-Dibromoethane (EDB)	86U	ug/kg
Naphthalene	6400 *	ug/kg	+-----	+-----	+-----	1,2-Dichloroethane	86UJ	ug/kg
2-Chlorotoluene	350U	ug/kg	VOA - PP Scan (GCMS)	Sediment		4-Methyl-2-Pentanone (M+	86U	ug/kg
1,2-Dichlorobenzene	350U	ug/kg	Duplicate #2	Result	Units	1,3,5-Trimethylbenzene	4900J*	ug/kg
1,2,4-Trimethylbenzene	5900 *	ug/kg	+-----	+-----	+-----	Bromobenzene	86U	ug/kg
1,2-Dibromo-3-chloropr+	1700U	ug/kg	Carbon Tetrachloride	86UJ	ug/kg	Toluene	41J*	ug/kg
1,2,3-Trichloropropane	350U	ug/kg	Acetone	430U	ug/kg	Chlorobenzene	86U	ug/kg
Tert-Butylbenzene	350U	ug/kg	Chloroform	86UJ	ug/kg	1,2,4-Trichlorobenzene	86U	ug/kg
Isopropylbenzene (Cume+)	350U	ug/kg	Benzene	86U	ug/kg	Dibromochloromethane	86U	ug/kg
p-Isopropyltoluene	1500 *	ug/kg	1,1,1-Trichloroethane	86UJ	ug/kg	Tetrachloroethene	86U	ug/kg
Ethylbenzene	65J*	ug/kg	Bromomethane	86U	ug/kg	Sec-Butylbenzene	86U	ug/kg
BENZENE, ETHENYL-(STYR+	350U	ug/kg	Chloromethane	86UJ	ug/kg	1,3-Dichloropropane	86U	ug/kg
BENZENE, PROPYL-	110J*	ug/kg	Dibromomethane	86U	ug/kg	Cis-1,2-Dichloroethene	86U	ug/kg
Butylbenzene	350U	ug/kg	Bromoform	86U	ug/kg	trans-1,2-Dichloroethene	86U	ug/kg
4-Chlorotoluene	350U	ug/kg	Bromodichloromethane	86UJ	ug/kg	1,3-Dichlorobenzene	86U	ug/kg
1,4-Dichlorobenzene	350U	ug/kg	1,1-Dichloroethane	86UJ	ug/kg	Carbon Disulfide	86UJ	ug/kg
1,2-Dibromoethane (EDB)	350U	ug/kg	Vinyl Chloride	86U	ug/kg	Bromoform	86U	ug/kg
1,2-Dichloroethane	350UJ	ug/kg	Methylene Chloride	430U	ug/kg	2-Hexanone	86U	ug/kg
4-Methyl-2-Pentanone(M+	350U	ug/kg	Carbon Disulfide	430U	ug/kg	2,2-Dichloropropane	86UJ	ug/kg
1,3,5-Trimethylbenzene	5000J*	ug/kg	Bromoform	86U	ug/kg	Ethane, 1,1,1,2-Tetrac+	86U	ug/kg

(Continued on next page)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352369

Description: SS03-2

Source: Sediment (General)

Begin Date: 92/08/26 11:45

VOA - PP Scan (GCMS)	Sediment
*** Continued ***	
Duplicate #2	Result Units

Total Xylenes	1680 *	ug/kg
cis-1,3-Dichloropropene	86U	ug/kg
trans-1,3-Dichloroprop+	86UJ	ug/kg
p-Bromofluorobenzene	136	% Recov
FLUOROBENZENE	100	% Recov
d8-Toluene	90	% Recov
d4-1,2-Dichlorobenzene+	113	% Recov
1,2-Dichloroethane-d4 +	92	% Recov

Tent Ident - VOA Sca	Sediment
	Result Units

Tert-Butylbenzene	18000NJ*	ug/kg
BENZENE, 1,2,3-TRIMETH+	11000NJ*	ug/kg
BENZENE, 1-METHYL-3-(1+	19000NJ*	ug/kg
UNKNOWN HYDROCARBONS (+	13000NJ*	ug/kg
UNKNOWN BENZENES (TOTA+	61000NJ*	ug/kg
1H-INDENE, 2,3-DIHYDRO+	91000NJ*	ug/kg

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352370

Description: SS04-1

Source: Sediment (General)

Begin Date: 92/08/26 12:00

VOA - PP Scan (GCMS)	Sediment		VOA - PP Scan (GCMS) *** Continued ***	Sediment	
	Result	Units		Result	Units
Carbon Tetrachloride	3UJ	ug/kg	Bromobenzene	.3U	ug/kg
Acetone	16UJ	ug/kg	Toluene	3U	ug/kg
Chloroform	3U	ug/kg	Chlorobenzene	3U	ug/kg
Benzene	3U	ug/kg	1,2,4-Trichlorobenzene	3U	ug/kg
1,1,1-Trichloroethane	3UJ	ug/kg	Dibromochloromethane	3U	ug/kg
Bromomethane	3U	ug/kg	Tetrachloroethene	3U	ug/kg
Chloromethane	3UJ	ug/kg	Sec-Butylbenzene	3U	ug/kg
Dibromomethane	3U	ug/kg	1,3-Dichloropropane	3U	ug/kg
Bromochloromethane	3U	ug/kg	Cis-1,2-Dichloroethene	3U	ug/kg
Chloroethane	3UJ	ug/kg	trans-1,2-Dichloroethene	3U	ug/kg
Vinyl Chloride	3UJ	ug/kg	1,3-Dichlorobenzene	3U	ug/kg
Methylene Chloride	16U	ug/kg	1,1-Dichloropropene	3UJ	ug/kg
Carbon Disulfide	16U	ug/kg	2-Hexanone	3U	ug/kg
Bromoform	3U	ug/kg	2,2-Dichloropropane	3U	ug/kg
Bromodichloromethane	3UJ	ug/kg	Ethane, 1,1,1,2-Tetrac+	3U	ug/kg
1,1-Dichloroethane	3U	ug/kg	Total Xylenes	3U	ug/kg
1,1-Dichloroethene	3U	ug/kg	cis-1,3-Dichloropropene	3U	ug/kg
Trichlorofluoromethane	3UJ	ug/kg	trans-1,3-Dichloropropene	3U	ug/kg
Methane, Dichlorodiflu+	16UJ	ug/kg	p-Bromofluorobenzene	84	% Recov
1,2-Dichloropropene	3U	ug/kg	FLUOROBENZENE	100	% Recov
2-Butanone	16U	ug/kg	d8-Toluene	101	% Recov
1,1,2-Trichloroethane	3U	ug/kg	d4-1,2-Dichlorobenzene+	101	% Recov
Ethene, trichloro-	3U	ug/kg	1,2-Dichloroethane-d4 +	117	% Recov
ETHANE, 1,1,2,2-TETRAC+	3U	ug/kg			
1,2,3-Trichlorobenzene	3U	ug/kg			
Hexachlorobutadiene	3U	ug/kg			
Naphthalene	3U	ug/kg			
2-Chlorotoluene	3U	ug/kg			
1,2-Dichlorobenzene	3U	ug/kg			
1,2,4-Trimethylbenzene	3U	ug/kg			
1,2-Dibromo-3-chloropr+	16U	ug/kg			
1,2,3-Trichloropropene	3U	ug/kg			
Tert-Butylbenzene	3U	ug/kg			
Isopropylbenzene (Cum+	3U	ug/kg			
p-Isopropyltoluene	3U	ug/kg			
Ethylbenzene	3U	ug/kg			
BENZENE, ETHENYL-(STYR+	3U	ug/kg			
BENZENE, PROPYL-	3U	ug/kg			
Butylbenzene	3U	ug/kg			
4-Chlorotoluene	3U	ug/kg			
1,4-Dichlorobenzene	3U	ug/kg			
1,2-Dibromoethane (EDB)	3U	ug/kg			
1,2-Dichloroethane	3UJ	ug/kg			
4-Methyl-2-Pentanone(M+	3U	ug/kg			
1,3,5-Trimethylbenzene	3UJ	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352371

Description: SS04-2

Source: Sediment (General)

Begin Date: 92/08/26 12:00

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
*** Continued ***							
Carbon Tetrachloride		3UJ	ug/kg	Bromobenzene		3U	ug/kg
Acetone		12U	ug/kg	Toluene		3U	ug/kg
Chloroform		3UJ	ug/kg	Chlorobenzene		3U	ug/kg
Benzene		3U	ug/kg	1,2,4-Trichlorobenzene		3U	ug/kg
1,1,1-Trichloroethane		3UJ	ug/kg	Dibromochloromethane		3U	ug/kg
Bromomethane		3U	ug/kg	Tetrachloroethene		3U	ug/kg
Chloromethane		3UJ	ug/kg	Sec-Butylbenzene		3U	ug/kg
Dibromomethane		3U	ug/kg	1,3-Dichloropropane		3U	ug/kg
Bromoform		3U	ug/kg	Cis-1,2-Dichloroethene		3U	ug/kg
Bromodichloromethane		3UJ	ug/kg	trans-1,2-Dichloroethene+		3U	ug/kg
1,1-Dichloroethane		3U	ug/kg	1,3-Dichlorobenzene		3U	ug/kg
1,1-Dichloroethene		3U	ug/kg	1,1-Dichloropropene		3UJ	ug/kg
Trichlorofluoromethane		3UJ	ug/kg	2-Hexanone		3U	ug/kg
Methane, Dichlorodiflu+		3UJ	ug/kg	2,2-Dichloropropane		3UJ	ug/kg
1,2-Dichloropropane		3U	ug/kg	Ethane, 1,1,1,2-Tetrac+		3U	ug/kg
2-Butanone		3U	ug/kg	Total Xylenes		3U	ug/kg
1,1,2-Trichloroethane		3U	ug/kg	cis-1,3-Dichloropropene		3U	ug/kg
Ethene, trichloro-		3U	ug/kg	trans-1,3-Dichloroprop+		3U	ug/kg
ETHANE, 1,1,2,2-TETRAC+		3U	ug/kg	p-Bromofluorobenzene	89	% Recov	
1,2,3-Trichlorobenzene		3U	ug/kg	FLUOROBENZENE	100	% Recov	
Hexachlorobutadiene		3U	ug/kg	d8-Toluene	103	% Recov	
Naphthalene		3U	ug/kg	d4-1,2-Dichlorobenzene+	104	% Recov	
2-Chlorotoluene		3U	ug/kg	1,2-Dichloroethane-d4 +	124	% Recov	
1,2-Dichlorobenzene		3U	ug/kg	+-----+   Tent Ident - VOA Sca   Sediment     Result      Units   +-----+			
1,2,4-Trimethylbenzene		3U	ug/kg	+-----+   UNKNOWN HYDROCARBONS   2.4NJ* ug/kg   +-----+			
1,2-Dibromo-3-chloropr+		14U	ug/kg				
1,2,3-Trichloropropane		3U	ug/kg				
Tert-Butylbenzene		3U	ug/kg				
Isopropylbenzene (Cum+		3U	ug/kg				
p-Isopropyltoluene		3U	ug/kg				
Ethylbenzene		3U	ug/kg				
BENZENE, ETHENYL-(STYR+		3U	ug/kg				
BENZENE, PROPYL-		3U	ug/kg				
Butylbenzene		3U	ug/kg				
4-Chlorotoluene		3U	ug/kg				
1,4-Dichlorobenzene		3U	ug/kg				
1,2-Dibromoethane (EDB)		3U	ug/kg				
1,2-Dichloroethane		3UJ	ug/kg				
4-Methyl-2-Pantanone(M+		3U	ug/kg				
1,3,5-Trimethylbenzene		3U	ug/kg				

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352372

Description: SS05-1

Source: Sediment (General)

Begin Date: 92/08/26 12:10

VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment
		Result	Units	*** Continued ***	
Carbon Tetrachloride	3UJ	ug/kg		1,3,5-Trimethylbenzene	3U ug/kg
Acetone	8UJ	ug/kg		Bromobenzene	3U ug/kg
Chloroform	3UJ	ug/kg		Toluene	3U ug/kg
Benzene	3U	ug/kg		Chlorobenzene	3U ug/kg
1,1,1-Trichloroethane	3UJ	ug/kg		1,2,4-Trichlorobenzene	3U ug/kg
Bromomethane	3U	ug/kg		Dibromochloromethane	3U ug/kg
Chloromethane	3UJ	ug/kg		Tetrachloroethene	3U ug/kg
Dibromomethane	3U	ug/kg		Sec-Butylbenzene	3U ug/kg
Bromoform	3U	ug/kg		1,3-Dichloropropane	3U ug/kg
Bromodichloromethane	3UJ	ug/kg		Cis-1,2-Dichloroethene	3U ug/kg
1,1-Dichloroethane	3U	ug/kg		trans-1,2-Dichloroethene+	3U ug/kg
1,1-Dichloroethene	3U	ug/kg		BENZENE, 1-BROMO-4-FLU+	87 * ug/kg
Trichlorofluoromethane	0.4J*	ug/kg		1,3-Dichlorobenzene	3U ug/kg
Methane, Dichlorodiflu+	16J*	ug/kg		1,1-Dichloropropene	3UJ ug/kg
1,2-Dichloropropane	3U	ug/kg		2-Hexanone	3U ug/kg
2-Butanone	3UJ	ug/kg		2,2-Dichloropropane	3UJ ug/kg
1,1,2-Trichloroethane	3U	ug/kg		Ethane, 1,1,1,2-Tetra+	3U ug/kg
Ethene, trichloro-	3U	ug/kg		cis-1,3-Dichloropropene	3U ug/kg
ETHANE, 1,1,2,2-TETRAC+	3U	ug/kg		trans-1,3-Dichloroprop+	3U ug/kg
1,2,3-Trichlorobenzene	3U	ug/kg		FLUOROBENZENE	101 % Recov
Hexachlorobutadiene	3U	ug/kg		d8-Toluene	103 % Recov
Naphthalene	3U	ug/kg		d4-1,2-Dichlorobenzene+	101 % Recov
Benzene, 1,2-Dimethyl	3U	ug/kg		1,2-Dichloroethane-d4 +	1.13 % Recov
2-Chlorotoluene	3U	ug/kg			
1,2-Dichlorobenzene	3U	ug/kg			
1,2,4-Trimethylbenzene	3U	ug/kg			
1,2-Dibromo-3-chloropr+	15U	ug/kg			
1,2,3-Trichloropropane	3U	ug/kg			
Tert-Butylbenzene	3U	ug/kg			
Isopropylbenzene (Cume+	3U	ug/kg			
p-Isopropyltoluene	3U	ug/kg			
Ethylbenzene	3U	ug/kg			
BENZENE, ETHENYL-(STYR+	3U	ug/kg			
BENZENE, PROPYL-	3U	ug/kg			
Butylbenzene	3U	ug/kg			
4-Chlorotoluene	3U	ug/kg			
1,4-Dichlorobenzene	3U	ug/kg			
1,2-Dibromoethane (EDB)	3U	ug/kg			
1,2-Dichloroethane	3UJ	ug/kg			
4-Methyl-2-Pentanone(M+	3U	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352373

Description: SS05-2

Source: Sediment (General)

Begin Date: 92/08/26 12:10

VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment			
Result	Units		*** Continued ***			Result	Units	Matrix Spike #1	Result	Units	
Carbon Tetrachloride	3UJ	ug/kg				1,3,5-Trimethylbenzene	3U	ug/kg	1,1-Dichloroethene	68J	% Recov
Acetone	27U	ug/kg	Bromobenzene			Toluene	3UJ	ug/kg	Trichlorofluoromethane	47J	% Recov
Chloroform	3UJ	ug/kg				Chlorobenzene	3U	ug/kg	Methane, Dichlorodiflu+	NAF	% Recov
Benzene	3U	ug/kg				1,2,4-Trichlorobenzene	3UJ	ug/kg	1,2-Dichloropropane	131J	% Recov
1,1,1-Trichloroethane	3UJ	ug/kg	Dibromochloromethane			Sec-Butylbenzene	3UJ	ug/kg	2-Butanone	290J	% Recov
Bromomethane	3U	ug/kg				1,3-Dichloropropane	3U	ug/kg	1,1,2-Trichloroethane	140J	% Recov
Chloromethane	3UJ	ug/kg				Cis-1,2-Dichloroethene	3U	ug/kg	Ethene, trichloro-	112J	% Recov
Dibromomethane	3U	ug/kg				trans-1,2-Dichloroethene+	3U	ug/kg	ETHANE, 1,1,2,2-TETRAC+	122J	% Recov
Bromochloromethane	3UJ	ug/kg				1,3-Dichlorobenzene	3UJ	ug/kg	1,2,3-Trichlorobenzene	62J	% Recov
Chloroethane	3U	ug/kg				1,1-Dichloropropene	3UJ	ug/kg	Hexachlorobutadiene	49J	% Recov
Vinyl Chloride	3U	ug/kg				2-Hexanone	3UJ	ug/kg	Naphthalene	79J	% Recov
Methylene Chloride	3U	ug/kg				2,2-Dichloropropane	3UJ	ug/kg	2-Chlorotoluene	122J	% Recov
Carbon Disulfide	1'4UJ	ug/kg				Ethane, 1,1,1,2-Tetrac+	3U	ug/kg	1,2-Dichlorobenzene	94J	% Recov
Bromoform	3UJ	ug/kg				cis-1,3-Dichloropropene	3U	ug/kg	1,2,4-Trimethylbenzene	101J	% Recov
Bromodichloromethane	3UJ	ug/kg				trans-1,3-Dichloropropene	3U	ug/kg	1,2-Dibromo-3-chloropr+	230J	% Recov
1,1-Dichloroethane	3U	ug/kg				p-Bromofluorobenzene	67	% Recov	1,2,3-Trichloropropane	280J	% Recov
1,1-Dichloroethene	3UJ	ug/kg				FLUOROBENZENE	104	% Recov	Tert-Butylbenzene	110J	% Recov
Trichlorofluoromethane	0.7J*	ug/kg				d8-Toluene	128	% Recov	Isopropylbenzene (Cume+)	138J	% Recov
Methane, Dichlorodiflu+	14J*	ug/kg				d4-1,2-Dichlorobenzene+	102	% Recov	p-Isopropyltoluene	88J	% Recov
1,2-Dichloropropane	3U	ug/kg				1,2-Dichloroethane-d4 +	121	% Recov	Ethylbenzene	80J	% Recov
2-Butanone	3UJ	ug/kg						BENZENE, ETHENYL-(STYR+	68J	% Recov	
1,1,2-Trichloroethane	3U	ug/kg						BENZENE, PROPYL-	122J	% Recov	
Ethene, trichloro-	3U	ug/kg						Butylbenzene	76J	% Recov	
ETHANE, 1,1,2,2-TETRAC+	3U	ug/kg						4-Chlorotoluene	112J	% Recov	
1,2,3-Trichlorobenzene	3UJ	ug/kg						1,4-Dichlorobenzene	98J	% Recov	
Hexachlorobutadiene	3UJ	ug/kg						1,2-Dibromoethane (EDB)	130J	% Recov	
Naphthalene	3UJ	ug/kg						1,2-Dichloroethane	113J	% Recov	
Benzene, 1,2-Dimethyl	3UJ	ug/kg						4-Methyl-2-Pentanone(M+	210J	% Recov	
2-Chlorotoluene	3UJ	ug/kg						1,3,5-Trimethylbenzene	109J	% Recov	
1,2-Dichlorobenzene	3UJ	ug/kg						Bromobenzene	144J	% Recov	
1,2,4-Trimethylbenzene	3UJ	ug/kg						Toluene	99J	% Recov	
1,2-Dibromo-3-chloropr+	14UJ	ug/kg						Chlorobenzene	90J	% Recov	
1,2,3-Trichloropropane	3UJ	ug/kg						1,2,4-Trichlorobenzene	57J	% Recov	
Tert-Butylbenzene	3UJ	ug/kg						Dibromochloromethane	119J	% Recov	
Isopropylbenzene (Cume+)	3UJ	ug/kg						Bromochloroethene	98J	% Recov	
p-Isopropyltoluene	3UJ	ug/kg						Sec-Butylbenzene	94J	% Recov	
Ethylbenzene	3U	ug/kg						1,3-Dichloropropane	135J	% Recov	
BENZENE, ETHENYL-(STYR+	3U	ug/kg						Cis-1,2-Dichloroethene	98J	% Recov	
BENZENE, PROPYL-	3UJ	ug/kg						trans-1,2-Dichloroethene+	80J	% Recov	
Butylbenzene	3UJ	ug/kg						1,3-Dichlorobenzene	97J	% Recov	
4-Chlorotoluene	3UJ	ug/kg						1,1-Dichloropropene	106J	% Recov	
1,4-Dichlorobenzene	3UJ	ug/kg						2-Hexanone	230J	% Recov	
1,2-Dibromoethane (EDB)	3U	ug/kg						2,2-Dichloropropane	100J	% Recov	
1,2-Dichloroethane	3UJ	ug/kg						Ethane, 1,1,1,2-Tetrac+	108J	% Recov	
4-Methyl-2-Pentanone(M+	3UJ	ug/kg									

(Continued on next page)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352373

Description: SS05-2

Source: Sediment (General)

Begin Date: 92/08/26 12:10

VOA - PP Scan (GCMS) Sediment			VOA - PP Scan (GCMS) Sediment			Tent Ident - VOA Sca	Sediment
*** Continued ***			*** Continued ***				Result Units
Matrix Spike #1	Result	Units	Matrix Spike #2	Result	Units	UNKNOWN HYDROCARBONS	2.7NJ* ug/kg
Total Xylenes	79J	% Recov	1,2,3-Trichloropropane	290J	% Recov		
D4-1,2-Dichlorobenzene	99	% Recov	Tert-Butylbenzene	114J	% Recov		
d8-Toluene	118	% Recov	Isopropylbenzene (Cume+)	144J	% Recov		
cis-1,3-Dichloropropene	105J	% Recov	p-Isopropyltoluene	86J	% Recov		
trans-1,3-Dichloroprop+	107J	% Recov	Ethylbenzene	80J	% Recov		
p-Bromofluorobenzene	72	% Recov	BENZENE, ETHENYL-(STYR+	66J	% Recov		
FLUOROBENZENE	101	% Recov	BENZENE, PROPYL-	124J	% Recov		
1,2-Dichloroethane-d4 +	126	% Recov	Butylbenzene	81J	% Recov		
			4-Chlorotoluene	125J	% Recov		
			1,4-Dichlorobenzene	97J	% Recov		
VOA - PP Scan (GCMS)	Sediment		1,2-Dibromoethane (FDB)	126J	% Recov		
Matrix Spike #2	Result	Units	1,2-Dichloroethane	118J	% Recov		
Carbon Tetrachloride	120J	% Recov	4-Methyl-2-Pentanone(M+	240J	% Recov		
Acetone	NAF	% Recov	1,3,5-Trimethylbenzene	109J	% Recov		
Chloroform	116J	% Recov	Bromobenzene	142J	% Recov		
Benzene	119J	% Recov	Toluene	104J	% Recov		
1,1,1-Trichloroethane	136J	% Recov	Chlorobenzene	86J	% Recov		
Bromomethane	108J	% Recov	1,2,4-Trichlorobenzene	42J	% Recov		
Chloromethane	107J	% Recov	Dibromochloromethane	126J	% Recov		
Dibromomethane	145J	% Recov	Tetrachloroethene	97J	% Recov		
Bromochloromethane	148J	% Recov	Sec-Butylbenzene	100J	% Recov		
Chloroethane	108J	% Recov	1,3-Dichloropropane	132J	% Recov		
Vinyl Chloride	99J	% Recov	Cis-1,2-Dichloroethene	116J	% Recov		
Methylene Chloride	102J	% Recov	trans-1,2-Dichloroethene+	100J	% Recov		
Carbon Disulfide	92J	% Recov	1,3-Dichlorobenzene	94J	% Recov		
Bromoform	240J	% Recov	1,1-Dichloropropene	108J	% Recov		
Bromodichloromethane	128J	% Recov	2-Hexanone	230J	% Recov		
1,1-Dichloroethane	122J	% Recov	2,2-Dichloropropane	119J	% Recov		
1,1-Dichloroethene	100J	% Recov	Ethane, 1,1,1,2-Tetrac+	106J	% Recov		
Trichlorofluoromethane	79J	% Recov	Total Xylenes	79J	% Recov		
Methane, Dichlorodiflu+	NAF	% Recov	d8-Toluene	120	% Recov		
1,2-Dichloropropane	128J	% Recov	cis-1,3-Dichloropropene	106J	% Recov		
2-Butanone	260J	% Recov	trans-1,3-Dichloroprop+	111J	% Recov		
1,1,2-Trichloroethane	147J	% Recov	p-Bromofluorobenzene	71	% Recov		
Ethene, trichloro-	112J	% Recov	FLUOROBENZENE	101	% Recov		
ETHANE, 1,1,2,2-TETRAC+	122J	% Recov	d4-1,2-Dichlorobenzene+	100	% Recov		
1,2,3-Trichlorobenzene	40J	% Recov	1,2-Dichloroethane-d4 +	127	% Recov		
Hexachlorobutadiene	40J	% Recov					
Naphthalene	94J	% Recov					
2-Chlorotoluene	132J	% Recov					
1,2-Dichlorobenzene	94J	% Recov					
1,2,4-Trimethylbenzene	110J	% Recov					
1,2-Dibromo-3-chloropr+	290J	% Recov					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352374

Description: SS06-1

Source: Sediment (General)

Begin Date: 92/08/26 12:30

VOA - PP Scan (GCMS)	Sediment		VOA - PP Scan (GCMS) *** Continued ***	Sediment	
	Result	Units		Result	Units
Carbon Tetrachloride	3UJ	ug/kg	Bromobenzene	3UJ	ug/kg
Acetone	14U	ug/kg	Toluene	3U	ug/kg
Chloroform	3UJ	ug/kg	Chlorobenzene	3U	ug/kg
Benzene	3U	ug/kg	1,2,4-Trichlorobenzene	3UJ	ug/kg
1,1,1-Trichloroethane	3UJ	ug/kg	Dibromochloromethane	3U	ug/kg
Bromomethane	3U	ug/kg	Tetrachloroethene	3U	ug/kg
Chloromethane	3UJ	ug/kg	Sec-Butylbenzene	3UJ	ug/kg
Dibromomethane	3U	ug/kg	1,3-Dichloropropane	3U	ug/kg
Bromochloromethane	3U	ug/kg	Cis-1,2-Dichloroethene	3U	ug/kg
Chloroethane	3UJ	ug/kg	trans-1,2-Dichloroethene	3U	ug/kg
Vinyl Chloride	3UJ	ug/kg	1,3-Dichlorobenzene	3UJ	ug/kg
Methylene Chloride	15U	ug/kg	1,1-Dichloropropene	3UJ	ug/kg
Carbon Disulfide	15U	ug/kg	2-Hexanone	3U	ug/kg
Bromoform	3UJ	ug/kg	2,2-Dichloropropane	3UJ	ug/kg
Bromodichloromethane	3UJ	ug/kg	Ethane, 1,1,1,2-Tetrac+	3U	ug/kg
1,1-Dichloroethane	3U	ug/kg	Total Xylenes	3UJ	ug/kg
1,1-Dichloroethene	3U	ug/kg	cis-1,3-Dichloropropene	3U	ug/kg
Trichlorofluoromethane	3UJ	ug/kg	trans-1,3-Dichloropropene	3U	ug/kg
Methane, Dichlorodiflu+	0.4J*	ug/kg	p-Bromofluorobenzene	73	% Recov
1,2-Dichloropropane	3U	ug/kg	FLUOROBENZENE	102	% Recov
2-Butanone	3U	ug/kg	d8-Toluene	114	% Recov
1,1,2-Trichloroethane	3U	ug/kg	d4-1,2-Dichlorobenzene+	97	% Recov
Ethene, trichloro-	3U	ug/kg	1,2-Dichloroethane-d4 +	117	% Recov
ETHANE, 1,1,2,2-TETRAC+	3U	ug/kg			
1,2,3-Trichlorobenzene	3UJ	ug/kg			
Hexachlorobutadiene	3UJ	ug/kg			
Naphthalene	3UJ	ug/kg			
2-Chlorotoluene	3UJ	ug/kg			
1,2-Dichlorobenzene	3UJ	ug/kg			
1,2,4-Trimethylbenzene	3UJ	ug/kg			
1,2-Dibromo-3-chloropr+	15UJ	ug/kg			
1,2,3-Trichloropropane	3UJ	ug/kg			
Tert-Butylbenzene	3UJ	ug/kg			
Isopropylbenzene (Cume+)	3UJ	ug/kg			
p-Isopropyltoluene	3UJ	ug/kg			
Ethylbenzene	3U	ug/kg			
BENZENE, ETHENYL-(STYR+)	3U	ug/kg			
BENZENE, PROPYL-	3UJ	ug/kg			
Butylbenzene	3UJ	ug/kg			
4-Chlorotoluene	3UJ	ug/kg			
1,4-Dichlorobenzene	3UJ	ug/kg			
1,2-Dibromoethane (EDB)	3U	ug/kg			
1,2-Dichloroethane	3UJ	ug/kg			
4-Methyl-2-Pentanone(M+	3U	ug/kg			
1,3,5-Trimethylbenzene	3UJ	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352375

Description: SS06-2

Source: Sediment (General)

Begin Date: 92/08/26 12:30

VOA - PP Scan (GCMS)		Sediment	VOA - PP Scan (GCMS)		Sediment	
	Result	Units	*** Continued ***		Result	Units
Carbon Tetrachloride	3UJ	ug/kg	Bromobenzene	3UJ	ug/kg	
Acetone	21U	ug/kg	Toluene	3U	ug/kg	
Chloroform	3UJ	ug/kg	Chlorobenzene	3U	ug/kg	
Benzene	3U	ug/kg	1,2,4-Trichlorobenzene	8J*	ug/kg	
1,1,1-Trichloroethane	0.6J*	ug/kg	Dibromochloromethane	3U	ug/kg	
Bromomethane	3U	ug/kg	Tetrachloroethene	3U	ug/kg	
Chloromethane	3UJ	ug/kg	Sec-Butylbenzene	3UJ	ug/kg	
Dibromomethane	3U	ug/kg	1,3-Dichloropropane	3U	ug/kg	
Bromochloromethane	3U	ug/kg	Cis-1,2-Dichloroethene	3U	ug/kg	
Chloroethane	3UJ	ug/kg	trans-1,2-Dichloroethene	3U	ug/kg	
Vinyl Chloride	3UJ	ug/kg	1,3-Dichlorobenzene	3UJ	ug/kg	
Methylene Chloride	16U	ug/kg	1,1-Dichloropropene	3UJ	ug/kg	
Carbon Disulfide	16U	ug/kg	2-Hexanone	3U	ug/kg	
Bromoform	3UJ	ug/kg	2,2-Dichloropropane	3UJ	ug/kg	
Bromodichloromethane	3UJ	ug/kg	Ethane, 1,1,1,2-Tetrac+	3U	ug/kg	
1,1-Dichloroethane	3U	ug/kg	Total Xylenes	3UJ	ug/kg	
1,1-Dichloroethene	3U	ug/kg	cis-1,3-Dichloropropene	3U	ug/kg	
Trichlorofluoromethane	3UJ	ug/kg	trans-1,3-Dichloropropene	3U	ug/kg	
Methane, Dichlorodiflu+	3UJ	ug/kg	p-Bromofluorobenzene	69	% Recov	
1,2-Dichloropropane	3U	ug/kg	FLUOROBENZENE	102	% Recov	
2-Butanone	3U	ug/kg	D4-1,2-Dichlorobenzene	100	% Recov	
1,1,2-Trichloroethane	3U	ug/kg	d8-Toluene	116	% Recov	
Ethene, trichloro-	3U	ug/kg	d4-1,2-Dichloroethane	123	% Recov	
ETHANE, 1,1,2,2-TETRAC+	3U	ug/kg				
1,2,3-Trichlorobenzene	4J*	ug/kg				
Hexachlorobutadiene	3UJ	ug/kg				
Naphthalene	3UJ	ug/kg				
2-Chlorotoluene	3UJ	ug/kg				
1,2-Dichlorobenzene	3UJ	ug/kg				
1,2,4-Trimethylbenzene	3UJ	ug/kg				
1,2-Dibromo-3-chloropr+	16 *	ug/kg				
1,2,2,3-Trichloropropane	3UJ	ug/kg				
Tert-Butylbenzene	3UJ	ug/kg				
Isopropylbenzene (Cume+)	3UJ	ug/kg				
p-Isopropyltoluene	3UJ	ug/kg				
Ethylbenzene	3U	ug/kg				
BENZENE, ETHENYL-(STYR+	3U	ug/kg				
BENZENE, PROPYL-	3UJ	ug/kg				
Butylbenzene	3UJ	ug/kg				
4-Chlorotoluene	3UJ	ug/kg				
1,4-Dichlorobenzene	3UJ	ug/kg				
1,2-Dibromoethane (EDB)	3U	ug/kg				
1,2-Dichloroethane	3UJ	ug/kg				
4-Methyl-2-Pentanone (M+	3U	ug/kg				
1,3,5-Trimethylbenzene	3UJ	ug/kg				

Tent Ident - VOA Sca	Sediment	
	Result	Units
UNKNOWN HYDROCARBONS (+)	77NJ*	ug/kg

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352376

Description: SS07-1

Source: Sediment (General)

Begin Date: 92/08/26 12:10

VOA - PP Scan (GCMS)	Sediment		VOA - PP Scan (GCMS)	Sediment	
	Result	Units		*** Continued ***	Result
Carbon Tetrachloride	3UJ	ug/kg	1,3,5-Trimethylbenzene	3UJ	ug/kg
Acetone	16UJ	ug/kg	Bromobenzene	3U	ug/kg
Chloroform	3U	ug/kg	Toluene	3U	ug/kg
Benzene	3U	ug/kg	Chlorobenzene	3U	ug/kg
1,1,1-Trichloroethane	0.6J*	ug/kg	1,2,4-Trichlorobenzene	3U	ug/kg
Bromomethane	3U	ug/kg	Dibromochloromethane	3U	ug/kg
Chloromethane	3UJ	ug/kg	Tetrachloroethene	3U	ug/kg
Dibromomethane	3U	ug/kg	Sec-Butylbenzene	3U	ug/kg
Bromoform	3U	ug/kg	1,3-Dichloropropane	3U	ug/kg
Bromodichloromethane	3UJ	ug/kg	Cis-1,2-Dichloroethene	3U	ug/kg
1,1-Dichloroethane	3U	ug/kg	trans-1,2-Dichloroethene	0.5J*	ug/kg
1,1-Dichloroethene	0.4J*	ug/kg	1,3-Dichlorobenzene	3U	ug/kg
Trichlorofluoromethane	3UJ	ug/kg	1,1-Dichloropropene	3UJ	ug/kg
Methane, Dichlorodiflu+	76J*	ug/kg	2-Hexanone	3U	ug/kg
1,2-Dichloropropane	3U	ug/kg	2,2-Dichloropropane	3U	ug/kg
2-Butanone	16U	ug/kg	Ethane, 1,1,1,2-Tetrac+	3U	ug/kg
1,1,2-Trichloroethane	3U	ug/kg	cis-1,3-Dichloropropene	3U	ug/kg
Ethene, trichloro-	0.1J*	ug/kg	trans-1,3-Dichloroprop+	3U	ug/kg
ETHANE, 1,1,2,2-TETRAC+	3U	ug/kg	p-Bromofluorobenzene	81	% Recov
1,2,3-Trichlorobenzene	3U	ug/kg	FLUOROBENZENE	99	% Recov
Hexachlorobutadiene	3U	ug/kg	d8-Toluene	102	% Recov
Naphthalene	3U	ug/kg	d4-1,2-Dichlorobenzene+	105	% Recov
Benzene, 1,2-Dimethyl	3U	ug/kg	1,2-Dichloroethane-d4 +	114	% Recov
2-Chlorotoluene	3U	ug/kg			
1,2-Dichlorobenzene	3U	ug/kg			
1,2,4-Trimethylbenzene	3U	ug/kg			
1,2-Dibromo-3-chlorop+	16U	ug/kg			
1,2,3-Trichloropropane	3U	ug/kg			
Tert-Butylbenzene	3U	ug/kg			
Isopropylbenzene (Cume+)	3U	ug/kg			
p-Isopropyltoluene	3U	ug/kg			
Ethylbenzene	3U	ug/kg			
BENZENE, ETHENYL-(STYR+	3U	ug/kg			
BENZENE, PROPYL-	3U	ug/kg			
Butylbenzene	3U	ug/kg			
4-Chlorotoluene	3U	ug/kg			
1,4-Dichlorobenzene	3U	ug/kg			
1,2-Dibromoethane (EDB)	3U	ug/kg			
1,2-Dichloroethane	3UJ	ug/kg			
4-Methyl-2-Pantanone(M+	3U	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Laboratory: EPA, Manchester

Sample No: 92 352377

Description: SS07-2

Source: Sediment (General)

Begin Date: 92/08/26 12:10

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
				*** Continued ***			
Carbon Tetrachloride		3UJ	ug/kg	Bromobenzene		3UJ	ug/kg
Acetone		9UJ	ug/kg	Toluene		3UJ	ug/kg
Chloroform		3U	ug/kg	Chlorobenzene		3UJ	ug/kg
Benzene		3UJ	ug/kg	1,2,4-Trichlorobenzene		3UJ	ug/kg
1,1,1-Trichloroethane		1J*	ug/kg	Dibromochloromethane		3UJ	ug/kg
Bromomethane		3U	ug/kg	Tetrachloroethene		3UJ	ug/kg
Chloromethane		3UJ	ug/kg	Sec-Butylbenzene		3UJ	ug/kg
Dibromomethane		3UJ	ug/kg	1,3-Dichloropropane		3UJ	ug/kg
Bromoform		3U	ug/kg	Cis-1,2-Dichloroethene		3U	ug/kg
Bromodichloromethane		3UJ	ug/kg	trans-1,2-Dichloroethene		3U	ug/kg
1,1-Dichloroethane		3U	ug/kg	1,3-Dichlorobenzene		3UJ	ug/kg
1,1-Dichloroethene		3U	ug/kg	1,1-Dichloropropene		3UJ	ug/kg
Trichlorofluoromethane		3UJ	ug/kg	2-Hexanone		3UJ	ug/kg
Methane, Dichlorodiflu+		16UJ	ug/kg	2,2-Dichloropropane		3U	ug/kg
1,2-Dichloropropane		3UJ	ug/kg	Ethane, 1,1,1,2-Tetrac+		3UJ	ug/kg
2-Butanone		4UJ	ug/kg	Total Xylenes		3UJ	ug/kg
1,1,2-Trichloroethane		3UJ	ug/kg	cis-1,3-Dichloropropene		3UJ	ug/kg
Ethene, trichloro-		3UJ	ug/kg	trans-1,3-Dichloropropene		3UJ	ug/kg
ETHANE, 1,1,2,2-TETRAC+		3UJ	ug/kg	p-Bromofluorobenzene		20	% Recov
1,2,3-Trichlorobenzene		3UJ	ug/kg	FLUOROBENZENE		32	% Recov
Hexachlorobutadiene		3UJ	ug/kg	d8-Toluene		43	% Recov
Naphthalene		2J*	ug/kg	d4-1,2-Dichlorobenzene+		35	% Recov
2-Chlorotoluene		3UJ	ug/kg	1,2-Dichloroethane-d4 +		41	% Recov
1,2-Dichlorobenzene		3UJ	ug/kg				
1,2,4-Trimethylbenzene		3UJ	ug/kg				
1,2-Dibromo-3-chloropr+		16UJ	ug/kg				
1,2,3-Trichloropropane		3UJ	ug/kg				
Tert-Butylbenzene		3UJ	ug/kg				
Isopropylbenzene (Cum+		3UJ	ug/kg				
p-Isopropyltoluene		3UJ	ug/kg				
Ethylbenzene		3UJ	ug/kg				
BENZENE, ETHENYL-(STYR+		3UJ	ug/kg				
BENZENE, PROPYL-		3UJ	ug/kg				
Butylbenzene		3UJ	ug/kg				
4-Chlorotoluene		3UJ	ug/kg				
1,4-Dichlorobenzene		3UJ	ug/kg				
1,2-Dibromoethane (EDB)		3UJ	ug/kg				
1,2-Dichloroethane		3UJ	ug/kg				
4-Methyl-2-Pentanone(M+		3UJ	ug/kg				
1,3,5-Trimethylbenzene		3UJ	ug/kg				

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Blank ID: BS2247

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
Blank #2				Blank #2	*** Continued ***		
Carbon Tetrachloride	2UJ	ug/kg		Bromobenzene		2U	ug/kg
Acetone	2J*	ug/kg		Toluene		0.1J*	ug/kg
Chloroform	2UJ	ug/kg		Chlorobenzene		2U	ug/kg
Benzene	2U	ug/kg		1,2,4-Trichlorobenzene		2U	ug/kg
1,1,1-Trichloroethane	2UJ	ug/kg		Dibromochloromethane		2U	ug/kg
Bromomethane	2U	ug/kg		Tetrachloroethene		2U	ug/kg
Chloromethane	0.04J*	ug/kg		Sec-Butylbenzene		2U	ug/kg
Dibromomethane	2U	ug/kg		1,3-Dichloropropane		2U	ug/kg
Bromochloromethane	2U	ug/kg		Cis-1,2-Dichloroethene		2U	ug/kg
Chloroethane	2UJ	ug/kg		trans-1,2-Dichloroethene		2U	ug/kg
Vinyl Chloride	2UJ	ug/kg		1,3-Dichlorobenzene		2U	ug/kg
Methylene Chloride	0.2J*	ug/kg		1,1-Dichloropropene		2UJ	ug/kg
Carbon Disulfide	10U	ug/kg		2-Hexanone		2U	ug/kg
Bromoform	2U	ug/kg		2,2-Dichloropropane		2UJ	ug/kg
Bromodichloromethane	2UJ	ug/kg		Ethane, 1,1,1,2-Tetrac+		2U	ug/kg
1,1-Dichloroethane	2U	ug/kg		Total Xylenes		2U	ug/kg
1,1-Dichloroethene	2U	ug/kg		cis-1,3-Dichloropropene		2U	ug/kg
Trichlorofluoromethane	2UJ	ug/kg		trans-1,3-Dichloroprop+		2U	ug/kg
Methane, Dichlorodiflu+	10UJ	ug/kg		p-Bromofluorobenzene	95	% Recov	
1,2-Dichloropropane	2U	ug/kg		FLUOROBENZENE	98	% Recov	
2-Butanone	0.3J*	ug/kg		d8-Toluene	100	% Recov	
1,1,2-Trichloroethane	2U	ug/kg		d4-1,2-Dichlorobenzene+	107	% Recov	
Ethene, trichloro-	2U	ug/kg		1,2-Dichloroethane-d4 +	104	% Recov	
ETHANE, 1,1,2,2-TETRAC+	2U	ug/kg					
1,2,3-Trichlorobenzene	2U	ug/kg					
Hexachlorobutadiene	2U	ug/kg					
Naphthalene	0.2J*	ug/kg					
2-Chlorotoluene	2U	ug/kg					
1,2-Dichlorobenzene	2U	ug/kg					
1,2,4-Trimethylbenzene	2U	ug/kg					
1,2-Dibromo-3-chloropr+	10U	ug/kg					
1,2,3-Trichloropropene	2U	ug/kg					
Tert-Butylbenzene	2U	ug/kg					
Isopropylbenzene (Cume+)	2U	ug/kg					
p-Isopropyltoluene	2U	ug/kg					
Ethylbenzene	2U	ug/kg					
BENZENE, ETHENYL-(STYR+	2U	ug/kg					
BENZENE, PROPYL-	2U	ug/kg					
Butylbenzene	0.04J*	ug/kg					
4-Chlorotoluene	2U	ug/kg					
1,4-Dichlorobenzene	2U	ug/kg					
1,2-Dibromoethane (EDB)	2U	ug/kg					
1,2-Dichloroethane	2UJ	ug/kg					
4-Methyl-2-Pentanone(M+	2U	ug/kg					
1,3,5-Trimethylbenzene	2U	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Blank ID: BS2248

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
Blank #3				Blank #3	*** Continued ***		
Carbon Tetrachloride	2UJ	ug/kg		Bromobenzene		2U	ug/kg
Acetone	4J*	ug/kg		Toluene		0.08J*	ug/kg
Chloroform	0.08J*	ug/kg		Chlorobenzene		2U	ug/kg
Benzene	2U	ug/kg		1,2,4-Trichlorobenzene		2U	ug/kg
1,1,1-Trichloroethane	2UJ	ug/kg		Dibromochloromethane		2U	ug/kg
Bromomethane	2U	ug/kg		Tetrachloroethene		2U	ug/kg
Chloromethane	0.06J*	ug/kg		Sec-Butylbenzene		2U	ug/kg
Dibromomethane	2U	ug/kg		1,3-Dichloropropane		2U	ug/kg
Bromochloromethane	2U	ug/kg		Cis-1,2-Dichloroethene		2U	ug/kg
Chloroethane	2UJ	ug/kg		trans-1,2-Dichloroethene		2U	ug/kg
Vinyl Chloride	2UJ	ug/kg		1,3-Dichlorobenzene		2U	ug/kg
Methylene Chloride	0.2J*	ug/kg		1,1-Dichloropropene		2UJ	ug/kg
Carbon Disulfide	10U	ug/kg		2-Hexanone		0.5J*	ug/kg
Bromoform	2U	ug/kg		2,2-Dichloropropane		2U	ug/kg
Bromodichloromethane	2UJ	ug/kg		Ethane, 1,1,1,2-Tetrac+		2U	ug/kg
1,1-Dichloroethane	2U	ug/kg		Total Xylenes		2U	ug/kg
1,1-Dichloroethene	2U	ug/kg		cis-1,3-Dichloropropene		2U	ug/kg
Trichlorofluoromethane	2UJ	ug/kg		trans-1,3-Dichloroprop+		2U	ug/kg
Methane, Dichlorodiflu+	10UJ	ug/kg		p-Bromofluorobenzene	92	% Recov	
1,2-Dichloropropane	2U	ug/kg		FLUOROBENZENE	99	% Recov	
2-Butanone	1J*	ug/kg		d8-Toluene	95	% Recov	
1,1,2-Trichloroethane	2U	ug/kg		d4-1,2-Dichlorobenzene+	108	% Recov	
Ethene, trichloro-	2U	ug/kg		1,2-Dichloroethane-d4 +	98	% Recov	
ETHANE, 1,1,2,2-TETRAC+	2U	ug/kg					
1,2,3-Trichlorobenzene	2U	ug/kg					
Hexachlorobutadiene	2U	ug/kg					
Naphthalene	0.4J*	ug/kg					
2-Chlorotoluene	2U	ug/kg					
1,2-Dichlorobenzene	2U	ug/kg					
1,2,4-Trimethylbenzene	0.05J*	ug/kg					
1,2-Dibromo-3-chloropr+	10U	ug/kg					
1,2,3-Trichloropropene	2U	ug/kg					
Tert-Butylbenzene	2U	ug/kg					
Isopropylbenzene (Cume+)	2U	ug/kg					
p-Isopropyltoluene	2U	ug/kg					
Ethylbenzene	2U	ug/kg					
BENZENE, ETHENYL-(STYR+	2U	ug/kg					
BENZENE, PROPYL-	2U	ug/kg					
Butylbenzene	2U	ug/kg					
4-Chlorotoluene	2U	ug/kg					
1,4-Dichlorobenzene	2U	ug/kg					
1,2-Dibromoethane (EDB)	2UJ	ug/kg					
1,2-Dichloroethane	2UJ	ug/kg					
4-Methyl-2-Pentanone(M+	2U	ug/kg					
1,3,5-Trimethylbenzene	2UJ	ug/kg					

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Blank ID: BW2245

VOA - PP Scan (GCMS)	Sediment		VOA - PP Scan (GCMS) *** Continued ***	Sediment	
	Result	Units		Blank #4	Result
Carbon Tetrachloride	1U	ug/kg	Bromobenzene	1U	ug/kg
Acetone	2J*	ug/kg	Toluene	0.05J*	ug/kg
Chloroform	0.06J*	ug/kg	Chlorobenzene	1U	ug/kg
Benzene	0.03J*	ug/kg	1,2,4-Trichlorobenzene	0.04J*	ug/kg
1,1,1-Trichloroethane	1U	ug/kg	Dibromochloromethane	1U	ug/kg
Bromomethane	1U	ug/kg	Tetrachloroethane	1U	ug/kg
Chloromethane	0.04J*	ug/kg	Sec-Butylbenzene	1U	ug/kg
Dibromomethane	1U	ug/kg	1,3-Dichloropropane	1U	ug/kg
Bromochloromethane	1U	ug/kg	Cis-1,2-Dichloroethene	1U	ug/kg
Chloroethane	1U	ug/kg	trans-1,2-Dichloroethene	1U	ug/kg
Vinyl Chloride	1U	ug/kg	1,3-Dichlorobenzene	1U	ug/kg
Methylene Chloride	0.2J*	ug/kg	1,1-Dichloropropene	1U	ug/kg
Carbon Disulfide	5U	ug/kg	2-Hexanone	1U	ug/kg
Bromoform	1U	ug/kg	2,2-Dichloropropane	1U	ug/kg
Bromodichloromethane	1U	ug/kg	Ethane, 1,1,1,2-Tetrac+	1U	ug/kg
1,1-Dichloroethane	1U	ug/kg	Total Xylenes	1U	ug/kg
1,1-Dichloroethene	1U	ug/kg	cis-1,3-Dichloropropene	1U	ug/kg
Trichlorofluoromethane	1U	ug/kg	trans-1,3-Dichloropropene	1U	ug/kg
Methane, Dichlorodiflu+	5UJ	ug/kg	p-Bromofluorobenzene	96	% Recov
1,2-Dichloropropane	1U	ug/kg	FLUOROBENZENE	98	% Recov
2-Butanone	0.4J*	ug/kg	d8-Toluene	101	% Recov
1,1,2-Trichloroethane	1U	ug/kg	d4-1,2-Dichlorobenzene	102	% Recov
Ethene, trichloro-	1U	ug/kg	1,2-Dichloroethane-d4	98	% Recov
ETHANE, 1,1,2,2-TETRAC+	0.1J*	ug/kg	+ +		
1,2,3-Trichlorobenzene	0.05J*	ug/kg			
Hexachlorobutadiene	1UJ	ug/kg			
Naphthalene	0.1J*	ug/kg			
2-Chlorotoluene	1U	ug/kg			
1,2-Dichlorobenzene	1U	ug/kg			
1,2,4-Trimethylbenzene	1U	ug/kg			
1,2-Dibromo-3-chloropr+	5UJ	ug/kg			
1,2,3-Trichloropropane	1U	ug/kg			
Tert-Butylbenzene	1U	ug/kg			
Isopropylbenzene (Cume+)	1UJ	ug/kg			
p-Isopropyltoluene	1U	ug/kg			
Ethylbenzene	1U	ug/kg			
BENZENE, ETHENYL-(STYR+	1U	ug/kg			
BENZENE, PROPYL-	1U	ug/kg			
Butylbenzene	0.03J*	ug/kg			
4-Chlorotoluene	1U	ug/kg			
1,4-Dichlorobenzene	1U	ug/kg			
1,2-Dibromoethane (EDB)	1U	ug/kg			
1,2-Dichloroethane	1U	ug/kg			
4-Methyl-2-Pentanone(M+	1U	ug/kg			
1,3,5-Trimethylbenzene	1UJ	ug/kg			

(Sample Complete)

Project: TEC-575A AVERY RR DUMP AND ROUNDHOUSE

Officer: MZR

Account: FA10PUZZ

Blank ID: BW2246

VOA - PP Scan (GCMS)	Sediment	Result	Units	VOA - PP Scan (GCMS)	Sediment	Result	Units
Blank #1				Blank #1	*** Continued ***		
Carbon Tetrachloride		2UJ	ug/kg	Bromobenzene		2U	ug/kg
Acetone		3J*	ug/kg	Toluene		0.09J*	ug/kg
Chloroform		2UJ	ug/kg	Chlorobenzene		2U	ug/kg
Benzene		0.02J*	ug/kg	1,2,4-Trichlorobenzene		2U	ug/kg
1,1,1-Trichloroethane		2UJ	ug/kg	Dibromochloromethane		2U	ug/kg
Bromomethane		2U	ug/kg	Tetrachloroethene		2U	ug/kg
Chloromethane		0.04J*	ug/kg	Sec-Butylbenzene		2U	ug/kg
Dibromomethane		2U	ug/kg	1,3-Dichloropropane		2U	ug/kg
Bromochloromethane		2U	ug/kg	Cis-1,2-Dichloroethene		2U	ug/kg
Chloroethane		2UJ	ug/kg	trans-1,2-Dichloroethene		2U	ug/kg
Vinyl Chloride		2U	ug/kg	1,3-Dichlorobenzene		2U	ug/kg
Methylene Chloride		0.3J*	ug/kg	1,1-Dichloropropene		2UJ	ug/kg
Carbon Disulfide		10U	ug/kg	2-Hexanone		2U	ug/kg
Bromoform		2U	ug/kg	2,2-Dichloropropane		2UJ	ug/kg
Bromodichloromethane		2UJ	ug/kg	Ethane, 1,1,1,2-Tetrac+		2U	ug/kg
1,1-Dichloroethane		2UJ	ug/kg	Total Xylenes	0.02J*	ug/kg	
1,1-Dichloroethene		2U	ug/kg	cis-1,3-Dichloropropene	2U	ug/kg	
Trichlorofluoromethane		2UJ	ug/kg	trans-1,3-Dichloroprop+	2UJ	ug/kg	
Methane, Dichlorodiflu+		10UJ	ug/kg	p-Bromofluorobenzene	91	% Recov	
1,2-Dichloropropene		2U	ug/kg	FLUOROBENZENE	101	% Recov	
2-Butanone		1J*	ug/kg	d8-Toluene	99	% Recov	
1,1,2-Trichloroethane		2U	ug/kg	d4-1,2-Dichlorobenzene+	110	% Recov	
Ethene, trichloro-		2U	ug/kg	1,2-Dichloroethane-d4 +	95	% Recov	
ETHANE, 1,1,2,2-TETRAC+		2U	ug/kg				
1,2,3-Trichlorobenzene		2U	ug/kg				
Hexachlorobutadiene		2U	ug/kg				
Naphthalene		0.2J*	ug/kg				
2-Chlorotoluene		2U	ug/kg				
1,2-Dichlorobenzene		2U	ug/kg				
1,2,4-Trimethylbenzene		0.04J*	ug/kg				
1,2-Dibromo-3-chloropr+		10U	ug/kg				
1,2,3-Trichloropropene		2U	ug/kg				
Tert-Butylbenzene		2U	ug/kg				
Isopropylbenzene (Cume+)		2U	ug/kg				
p-Isopropyltoluene		2U	ug/kg				
Ethylbenzene		2U	ug/kg				
BENZENE, ETHENYL-(STYR+		2U	ug/kg				
BENZENE, PROPYL-		2U	ug/kg				
Butylbenzene		2U	ug/kg				
4-Chlorotoluene		2U	ug/kg				
1,4-Dichlorobenzene		2U	ug/kg				
1,2-Dibromoethane (EDB)		2U	ug/kg				
1,2-Dichloroethane		2UJ	ug/kg				
4-Methyl-2-Pentanone(M+		2U	ug/kg				
1,3,5-Trimethylbenzene		0.03J*	ug/kg				

(Sample Complete)